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**FINAL REPORT FOR REMEDIATION OF LOCATIONS
IN GRANITE CITY, MADISON, AND VENICE, ILLINOIS
ASSOCIATED WITH NL INDUSTRIES/TARACORP
SUPERFUND SITE**

**PRE-PLACED CONTRACT NO.
DACA45-96-D-0014
DELIVERY ORDER NO. 0004**

Submitted by:

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1.0 INTRODUCTION

The United States Army Corps of Engineers (USACE) tasked OHM Remediation Services Corp. (OHM), a wholly owned subsidiary of OHM Corporation, under the Pre-Placed Contract No. DACA45-96-D-0014, Delivery Order (DO) No. 0004, to perform remediation of Stack Emission sites at various locations associated with the NL Industries/Taracorp Superfund Site (NL Site) in Granite City, Madison, and Venice, Illinois.

1.1 SITE HISTORY

The NL Site includes the NL Industries/Taracorp Plant, a former secondary lead smelting operation located at 16th and Cleveland Boulevard in Granite City, Illinois. Prior to 1903, the plant included various smelting related equipment and processes. From 1903 to 1983, secondary lead smelting occurred on site. These activities were discontinued during 1983 and the equipment was dismantled.

In July 1981, St. Louis Lead Recyclers, Inc. (SLLR) began using equipment on adjacent property owned by Trust 454 to separate components of the Taracorp waste pile. The objective was to recycle lead bearing materials to the furnaces at Taracorp and send hard rubber off site for recycling. SLLR continued operations until March 1983 when it shut down its equipment. Residuals from the operation remain on Trust 454 property as does some equipment.

A State Implementation Plan for Granite City, Illinois was published in September 1983 by the Illinois Environmental Protection Agency (IEPA). The IEPA's report indicated the lead non-attainment problem for air emissions in Granite City, Illinois, were in large part due to emissions associated with the operation of the secondary lead smelter operation by Taracorp and lead reclamation activities conducted by SLLR. The IEPA procured Administrative Orders by Consent with Taracorp, SLLR, Stackorp, Inc., Tri-City Truck Plaza, Inc., and Trust 454 during March 1984. The orders required the implementation of remedial activities relative to air quality.

NL Industries, as former owner of the location, voluntarily entered into an Agreement and Administrative Order by Consent with United States Environmental Protection Agency (USEPA) and IEPA in May 1985 to implement a Remedial Investigation/Feasibility Study (RI/FS) for the location and other potentially affected areas. Taracorp was not a party to the agreement due to the fact it filed for bankruptcy. The USEPA determined the location was a Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) facility and it was placed on the National Priorities List on June 19, 1986.

1.2 DOCUMENT ORGANIZATION

This final project report is intended to provide a detailed description of the tasks involved in performing the work. Section 2.0 describes the scope of work involved in the preparation of the site-specific plans, performance of site administration/logistical support, mobilization/demobilization, site preparation/teardown, and the operational/technical scope of work performed. Section 2.0 also compares the actual scope of work performed with the planned scope of work in general terms. Section 3.0

describes the technical approaches implemented to accomplish the operational and technical tasks of the project including sampling, analysis, waste transportation, and waste disposal. Section 4.0 describes the Health and Safety approaches implemented to accomplish the operational tasks of the project. Section 5.0 and 6.0 contain the quantity summary tables and verification analytical summary tables respectively. Appendix A depicts the Flow Charts showing work performance. Appendix B provides detailed descriptions of the work performed at each remedial location, as well as, tables and maps detailing the sampling and analysis. Appendix C contains the detailed descriptions of work performed on the easements for this project.

2.0 SCOPE OF WORK

The scope of work for this project was delineated by the documents USACE supplied to OHM entitled: Scope of Work for Contract DACA45-95-R-0015, Stack Emissions (Lead) Removal, Madison, Illinois.

The scope of work generally encompassed the following tasks:

- Preparation of site-specific plans
- Site administration and logistical support
- Mobilization and demobilization
- Site preparation and teardown
- Excavation, Backfill, and Compacting
- Turf
- Operational scope of work
- Waste transportation and disposal

2.1 PREPARATION OF SITE-SPECIFIC PLANS

OHM revised the site-specific project work plan (WP) from DO 17 to serve as a guideline describing how the work was to be performed in order to meet the requirements specified by USACE. The WP also included the chemical data acquisition plan (CDAP) and the location-specific health-and-safety plan (LSSHP).

Variances to the WP occurred during the project but were conducted only under authorization/direction of the USACE on-site representative(s). His/her purpose was to allow the project to function more efficiently while still remaining within all regulatory requirements. These variances are referenced and described in the relevant sections of this report.

The CDAP was prepared as a guideline to describe how, where, and how many samples would be collected. The laboratory analysis methods to be used, per the requirement of USACE's revised scope of services, were also outlined in the CDAP. In response to existing field conditions, this CDAP was amended to add the quality assurance project plan (QAPP) during the actual performance of work (see Section 2.6 for these amendments).

The LSSHP was prepared as a guideline describing the health and safety procedures which would be followed during the performance of the project. LSSHP addressed physical, chemical, and

environmental hazards unique to this project site. This LSSHP was amended prior to the project to allow remedial work to be performed by personnel wearing modified USEPA Level D personal protective equipment (PPE). The results of air monitoring indicated personnel could safely perform work at the remedial locations wearing poly tyvek suits, booties, gloves, hard hats, and safety glasses without respirators. Details pertaining to health and safety issues are discussed in Section 4.0, Health and Safety Summary.

2.2 SITE ADMINISTRATIONAL/LOGISTICAL SUPPORT

The project site administration was centrally located at # 10 Farrish in Madison, Illinois. Site administrative activities performed from this location included:

- Site Supervisor
- Cost tracking/reporting
- Health and Safety administration
- Waste tracking/documentation
- Field sampling/analytical support
- Field purchasing/subcontract management
- Logistical support

Prior to the physical work, logistical preparation activities were performed, including the following activities:

- Conduct a pre-construction meeting
- Verifying waste hauling licenses
- Meeting with property owners
- Locating utilities at necessary sites
- Establishing transportation routes
- Coordinating with local agencies and hospital

2.3 MOBILIZATION/DEMOBILIZATION

OHM performed mobilization of personnel and equipment primarily from its facility in O'Fallon, Missouri. A large percentage of the heavy equipment utilized on this project came from local vendors acting as subcontractors.

2.3.1 Subcontractors

Subcontractor activities were managed by the OHM project manager and site supervisor, and by USACE when necessary. Subcontractors were responsible for transportation, disposal, backfill material, sod and on-site equipment.

2.3.2 Permits

All necessary permits and licenses were secured before site mobilization. The transporter companies and disposal facilities were USEPA-licensed. Prior to mobilization, all on-site employees completed Occupational Safety and Health Administration (OSHA) 40-hour hazardous material training.

2.4 MOBILIZATION/DEMOBILIZATION

Sites were set up and/or torn down at each remedial lot.

2.4.1 Command Center

The command center served as the central location from which all personnel were dispatched to their respective work locations each day or as needed. The command center was located inside of a secured building and was equipped with computers, copiers, facsimile machine, telephones, and base radio. The rear of the building also served as a storage area for OHM's equipment, tools, and materials.

2.4.2 Remedial Locations

Site preparation was performed at each of the remedial locations. OHM set up decontamination points for personnel and equipment and exclusion zones were established prior to excavation. These exclusion zones were identified with orange snow fencing and yellow caution tape across existing fencing. They remained in place until backfill had been completed to a sufficient depth.

Excavation equipment used on the site was decontaminated prior to demobilization or backfill. Gross contamination was scraped from the machines before they were washed. As a dust control measure, the decontamination rinse water was collected and applied to the last load of contaminated soil.

2.5 OPERATIONAL SCOPE OF WORK PERFORMED

The excavation activities involved the removal of contaminated soils from the remedial sites. Restoration involved backfilling, seeding, and sodding of the sites after completing the remedial activities. The scope of work for this portion of the project is illustrated in Figure 2.1.1 The operations Flow Chart is depicted in Appendix A-1.

OHM's schedule for excavation was developed to facilitate logistical management and limit the time required to transport equipment and crews from location to location. During excavation activities, engineering controls and security measures, such as surrounding the exclusion zones with fluorescent orange polyvinyl chloride (PVC) barrier fencing, were employed to prevent cross contamination and unauthorized entry into exclusion zones.

Each of the stack emission sites had unique characteristics, which mandated particular methodologies of remediation.

2.5.1 Pre-construction Activities

Pre-construction activities for this portion of the project included the following items:

- Conducting a pre-construction meeting with USACE
- Issuing subcontracts
- Communication with Julie Corporation (the utilities' identification organization in Illinois) to locate potential underground utilities at the site
- Obtaining permits
- Obtaining soil samples for waste characterization
- Videotaping residential properties for restoration purposes

2.5.2 Construction Activities-Lots

The excavation techniques employed at each location varied according to location accessibility, depth, and extent of material. Minimization of disturbances to adjoining properties/areas was also a key consideration in performing each excavation. OHM used Bobcat mini-excavators, TL26, Takeuchi, TCM806 along with Kubota Tractors and manual removal methods.

Dust control was a major consideration. A storage system with pump and hose were available at all times to prevent fugitive emissions. Water trucks were also utilized to provide additional dust control and to transport water to sites for decontamination.

Most of the residential yards needed to have sod removed at varying depths of soil. Wastes were excavated using a track excavator, Takeuchi, and/or a Bobcat. At some locations, hand digging was necessary. Special soil was loaded into licensed waste hauler trucks for transportation to the disposal facility.

Most of the driveways contained aggregate soil mixtures. Most locations were accessible but required smaller equipment and hand digging. Non-hazardous waste (special waste) was classified analytically. The special waste was loaded into licensed haul trucks and sent to the disposal site.

2.5.4 Restoration

After excavation to predetermine depth had been achieved, OHM restored the location to pre-remedial conditions. Excavation areas were backfilled with clean soil and restoration was completed as required by the specifications. Sodding, seeding, and revegetation were performed when necessary.

2.5.5 Waste Removal

Wastes removed from the sites were transported to one of two locations. Milam RDF/Chain of Rocks. Figure A-2 in Appendix A shows the flow chart for T&D.

2.6 SAMPLING AND ANALYSIS

The following paragraphs detail the sampling and analysis tasks, as well as CDAP amendments/adjustments.

2.6.1 Sampling and Analysis Tasks

The sampling and analysis tasks for this project involved the following items:

- Street Sweeping
- Pre-characterization sampling and analysis of sites included as delineated by USACE
- Pre-characterization sampling and analysis of additional sites
- Resample (stack emission) as directed by USACE
- Backfill sampling

Street Sampling

OHM collected random grab samples from streets, as directed by USACE, for the purpose of determining the lead content of the street.

As per the scope of services issued to OHM by USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were to be removed and disposed.

Samples were collected from one point in the front yard and one point in the back yard. Both samples collected were at least 10 feet from any structures if possible.

Site Pre-Characterization Sampling and Analysis

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations to establish reasonable estimates of non-hazardous waste requiring removal was made evident via an amendment to the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of these efforts was to confirm or refute the potential contamination at each remedial location and to obtain an indication of the extent of contamination at sites with lead concentrations greater than 500 mg/kg. The most efficient and productive approaches to the pre-characterization sampling and analysis, which include the steps described in the following paragraphs, were ultimately developed for the residential lots.

Pre-characterization sampling and analysis at the residential lots included the establishment of two sample locations at each site. The two sample points were positioned at the center of the front and back yard of each location. One sample was then collected at the following depths from each sample location: 0 to 3 inches, 3 to 6 inches, and 6 to 12 inches.

The laboratory analysis of the samples followed the logic as below. The two samples representing the top 3-inch layer of each of the locations were analyzed for total lead and toxicity characteristic leaching procedure (TCLP) lead. The second and third set (representing 3 to 6 and 6 to 12 inch depths) were analyzed for total lead only.

This is depicted in Figure A-3 in Appendix A.

Pre-characterization of Additional Sites

Under authorization of USACE, OHM performed the pre-characterization sampling of additional sites over and above the original scope of services. The objective of this was to determine the potential presence of lead contamination with anticipation for the planning of remediation at these same sites. The technical approach for this task involved the same approaches as mentioned in the preceding paragraphs concerning pre-characterization.

2.6.2 CDAP Amendment/Adjustments

Development of the Sampling for Backfill Material

An amendment for the sampling and analysis of backfill was designed to show that incoming backfill material was clean to USEPA standards. This was done as a composite sample on every 1000 cubic yards of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

2.7 TRANSPORTATION AND DISPOSAL

The transportation and disposal (T&D) of waste from the sites included the shipment of non-hazardous waste shipped to the Chain of Rocks facility/Milam facility. The special waste was transported by Garcia Trucking. The transportation of the waste was performed with tandem dump trucks.

2.7.1 Transportation of Waste

Each site was identified by an address which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origin was documented.

The State of Illinois requires each special waste shipment be on an all Illinois manifest. This allowed each shipment of special waste to also be cross-referenced with the preprinted Illinois manifest document.

2.7.2 Disposal of Wastes

This project involved the removal and disposal of special non-hazardous industrial waste (non-hazardous waste) which was primarily removed from residential locations. The objective of the non-hazardous waste excavation efforts was to remove all material exhibiting concentration of total lead above 500 mg/kg, but less than 5 mg/l, when analyzed by TCLP.

Disposal characterization of waste was determined by analyzing composite samples, as directed in Section 2.6. Pre-characterization analysis was done at each site to verify depth of lead contamination. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was the Chain of Rocks facility/Milam. OHM obtained the approved waste profile by providing analytical that was previously performed under the Rapid Response Contract.

3.0 TECHNICAL APPROACH

The stated objective of this project was to excavate and dispose of lead contaminated soil in yards of residential communities as per the Record of Decision between the USEPA, IEPA, and the potentially responsible parties (PRPs) for the Superfund site.

This section describes the general approach implemented to complete the work in the residential lots. The methods implemented to perform the work on this project fall into one category:

- Residential lots (Non-Hazardous)

The operational effort extended was supported by the technical information that was gained through implementation of the following:

- CDAP amendment/adjustment
- Transportation and disposal, Appendix A-2

3.1 PRE-CONSTRUCTION ACTIVITIES

The pre-construction activities performed during this project were predominantly associated with obtaining disposal permits; obtaining transportation permits; preparing and delivering notifications of work to the public; attending public meetings; and identifying utilities at each remedial location. Many of these pre-construction activities were performed on an on-going basis as the project proceeded from one remedial location to the next.

The permits for the disposal of non-hazardous waste were obtained prior to shipment of the waste.

Before work progressed from one remedial location to the next, the identification of utilities was coordinated from the command center by OHM's safety supervisor. The identification of the utilities was coordinated with Julie Corporation. OHM's safety supervisor would telephone Julie Corporation and notify the organization of OHM's intention to perform work at a given site. Julie Corporation would then issue a "dig number" to OHM and notify all utility companies listed to provide service for the area of concern. Typically, the utility companies would mark the utilities on the site within 48 hours of OHM's initial contact with Julie Corporation.

OHM's subcontractors who performed the transportation of waste and equipment at and through the cities of Madison, Venice, and Granite City, Illinois City obtained required transportation permits.

3.2 SAMPLING AND ANALYSIS

The sampling and analysis tasks involved the following items:

- Laboratory confirmation sampling and analysis
- Pre-characterization sampling and analysis
- Backfill sampling

As per the direction of USACE, material at the residential sites exhibiting concentrations of total lead greater than 500 mg/kg were removed and disposed.

3.2.1 Pre-Characterization Sampling and Analysis

As the project progressed, the need to establish the level of effort anticipated for each upcoming site became much more apparent. The need to pre-characterize each of the remedial locations for establishing reasonable estimates of non-hazardous waste requiring removal was made evident through incorporation into the CDAP. The site pre-characterization sampling and analysis efforts were applied to non-hazardous (stack emission) sites. The primary purpose of the pre-characterization sampling was to confirm presence of non-hazardous waste meeting the action level. The most effective and productive approaches to the pre-characterization sampling and analysis were ultimately developed for the residential lots.

3.2.2 Technical Approach to Stack Emission Lots

The technical approach to the stack emission lots differed from the residential battery casing cleanups in the respect no confirmation sampling was necessary. The reason for this was due to previous sampling results yielding a pre-determined depth per USEPA. Consequently, yards were excavated to this pre-determined depth. In addition, all waste was shipped out as special-direct to a landfill.

3.3 CHEMICAL DATA ACQUISITION PLAN AMENDMENTS/ADJUSTMENTS

3.3.1 Development of the Sampling for Backfill Material

An amendment for the sampling and analysis of backfill material was designed to show that incoming backfill material was clean to USEPA standards. This was done as composite samples on every 1000 cubic feet of backfill and run for the following analysis:

- TCLP for Cd, Cr, Pb
- PAH-IEPA Levels
- Pesticides/PCB's
- TPH
- GRO
- DRO
- Total VOC's

3.4 TRANSPORTATION AND DISPOSAL

The T & D of waste removed from the sites included the shipment of non-hazardous waste by Garcia Trucking to Chain of Rocks Landfill/ Milam in Granite City, IL.

3.3.1 Transportation of Waste

Each site was identified by an address, which was written on the manifest. The site was then assigned a 5-digit manifest document number at the time of shipment. This system ensured the trucks origins were documented.

3.3.2 Disposal of Wastes

Disposal characterization of the waste was determined by analyzing composite samples, as described in Section 2.6. Verification of waste characterization was performed at each site through pre-characterization efforts. The characterization of certain waste as non-hazardous was confirmed at each site with the performance of total lead and TCLP lead analysis of composite samples.

The disposal facility subcontracted to provide non-hazardous waste disposal was Chain of Rocks/Milam in Granite City, IL. OHM obtained the approved waste profile by providing analytical that was previously done under Rapid Response Contract.

4.0 HEALTH AND SAFETY SUMMARY

4.1 PROJECT SUMMARY AND CONCLUSIONS

4.1.1 Summary

The following summarizes the health and safety aspects of this project:

- Task-specific hazard evaluations were performed each day at each work site prior to the start of work
- Air monitoring data was used during this project to verify appropriate personal protection was being used for site conditions. Personnel medical monitoring was performed prior to and at the end of the project to determine lead levels in the blood.
- Perimeter samples indicated total lead concentration below the action limit established in the LSSHP. Although results obtained are "after the fact," no personnel or citizens were at risk to exposure at any time.
- Personnel air sampling data indicated no detectable reading for total lead. There were no recorded cases of personnel overexposure to ambient lead levels.

4.1.2 Conclusions

Following completion of the project, the OHM Health and Safety Department made the following conclusions:

- The LSSHP was effectively implemented to address the health and safety hazards associated with each phase of site operations and to meet the requirements set forth in 29 CFR 1910.120.
- The existing LSSHP is appropriate for future phases of work at this site involving the same work activities.
- Future work should be performed in Level D PPE with appropriate air monitoring to verify the selection of PPE. An action level of 30mg/m³ should be used to warrant controls. Once monitoring shows consistent reading below the action level, the amount and frequency of air monitoring may be appropriately limited/reduced.
- Special attention should be paid to prevent any recordable accidents and near misses during the course of future work. Routine tasks should be reviewed and evaluated for potential hazards.

4.2 SITE SAFETY AND HEALTH PLAN EVALUATION

A LSSHPP was issued before the start of this project to address the health and safety hazards associated with each phase of site operations. The plan met the requirements of 29 CFR 1910.120. The phases of work addressed in the LSSHPP include the following:

- Mobilization
- Installation of perimeter fence
- Soil sampling
- Excavation of contaminated soil
- Load-out of contaminated soil
- Backfill of excavation
- Restoration of disturbed areas
- Decontamination and demobilization

4.2.1 Provisions

Once on site, waste materials were designated to be directly loaded into dump trucks.

Provisions were made to address heavy equipment, excavation and other physical hazards. Hazards associated with vehicle and pedestrian traffic in work areas and roadways were controlled by the use of warning signs, Men at Work signs, and road guards to direct traffic.

4.2.2 Personal Protective Equipment

PPE provisions were made to minimize exposure to lead contamination for personnel on site. Level D PPE included the following:

- Hard hat
- Safety glasses
- Steel-toed leather safety shoes/boots
- Poly tyvek coveralls
- Nylon booties (under) and Robar/Tingley boots (outer)
- Inner sample gloves, outer cloth or leather gloves

An action level of 15.0 mg/m³ of airborne lead, as determined by integrated sampling, was set by USACE to upgrade the level of PPE to Level C (including use of an air purifying respirator.) Air monitoring was performed for the duration of remedial activities to ensure proper PPE use.

4.3 SITE SAFETY

4.3.1 Accidents

Employee safety was OHM's first priority. After performing more than 157,454 man hours on

this project, OHM personnel suffered no OSHA-recordable accidents or injuries.

4.3.2 Preventative Measures

A number of measures were taken on site to prevent accidents and injuries. Daily safety meetings were held to discuss: hazards associated with upcoming work tasks; the use of specific tools and equipment; and other chemical, physical, and environmental hazards associated with site work. Task-specific hazard evaluations were performed each day at the work sites prior to the start of work.

Controls were used to eliminate the hazards associated with vehicle and pedestrian traffic near the work locations. Warning signs were posted and guards were used to direct traffic.

A heat stress prevention program was also instituted on site. Personnel heat stress monitoring was performed to prevent heat related illnesses during work in high ambient temperatures. Site workers' pulses, body temperatures, and blood pressures were taken before and after each break. Work-rest schedules were determined by the results of this monitoring in accordance with the LSSHP heat stress monitoring criteria.

Specific work/rest regimens were established at the start of every work day based on the specific work conditions for that day (temperatures, time of day, amount of sun or shade, etc.) Breaks were taken in shady areas as designated throughout the work shift. Personnel removed PPE and were given cool liquids to drink (e.g., juice, water). Visual observation by a designated safety official was used to identify individuals exhibiting symptoms of heat-related illness and to take the necessary actions.

4.4 EXPOSURE MONITORING

4.4.1 Methodology

Air monitoring was performed to determine the ambient levels of total suspended particulates generated during excavation and to determine total ambient lead exposure for site personnel and perimeter emissions. At the start of each work day, wind direction was used to determine the placement of sampling instruments on site.

Personnel and perimeter samples were taken to determine the levels of total lead in the air of the personal breathing zone and at the site perimeter. Lead samples were collected and analyzed using NIOSH Method 7300 and battery-operated air sampling pumps (Gilliam or equivalent) fitted with 37-millimeter (mm) mixed cellulose ester (MCE) filters (0.8-micron pore diameter).

4.4.2 Perimeter Sampling

Three perimeter samples were taken daily over the course of the work shift. One sample was taken upwind of site operations and two were taken downwind. Perimeter samples were taken above ground levels (approximately 4 to 5 feet in height) to characterize the breathing zone and to prevent contamination due to foot traffic. The pump flowrate was calibrated and set at approximately 20 liters

per minute for the duration of the task (about 8 hours.)

Samples were assigned identification numbers based on an established code. The analytical laboratory used was Environmetrics, 11401 Moog Drive, St. Louis, Missouri. Standard turnaround time for sample results was 24 to 48 hours by facsimile; original data was then returned by mail.

4.4.3 Personnel Sampling

Personnel air samples for lead were taken for a respective number of employees performing intrusive activities within the exclusion zone (one employee from each job category; at least two employees per day per site). The samples were taken in the person's breathing zone for the duration of the day's shift. Samples were collected at the end of the work day and sent to the analytical laboratory for analysis of total lead. A blank sample was included in shipment.

4.4.4 Medical Monitoring

Personnel blood lead levels were determined prior to and after the completion of work for this project.

5.0 *QUANTITY SUMMARY TABLE*

Quantities of material were tracked for each lot or site remediated. Table 5.1 presents a summary of these totals.

QUANTITY SUMMARIES

Site Address	Special cu yd	Sod sq yd	CA-6 ton	CA-7 ton	Topsoil cu yd	Backfill loads
	36.45	120	37.67	27.74	19.52	2
	82.13	300	18.24		76.29	7
	25.86	180	37.47	8.91	41.42	
1	96.47	320	49.17		59.58	9
	50.41	285			52.81	2
	69.44	480		14.01	69.47	2
	41.83	360		28.12	49.31	
	131.68	1260	113.15	15.57	176.35	53
	71.15	780			133.70	
	121.85	435		14.29	53.02	8
	79.89	360			64.20	7
	343.31		403.33	300.06		
	61.53	120	55.97	40.38	21.15	2
	72.86	120	14.95	15.86	18.29	2
	18.91	180	28.67	14.16	15.59	
	43.54	240		24.41	50.28	1
	92.36	540			94.65	9
	273.61	4250	258.97	57.5	38.46	14
	184.25	540			89.66	14
	81.67	300	41.45	42.3	18.44	7
	46.45	105	44.12	26.19	25.38	2
	41.19	135	43.18	14.83	9.81	3
	19.03	180			9.02	2
	44.49	300			55.38	
	70.86	600	266.44		63.78	5
	76.57	540		14.2	116.38	
	70.07	495	15.58	17.03	79.68	4
	42.21	300	25.87	24.29	49.40	
	108.18	240	109.43	14.38	63.97	

9	63.91	120	51.65	55.14	11.43	2	
	63.31	465	15.12		104.42		
	44.71	420	25.56	13.26	90.34		
	57.59	320	28.58		51.04	5	
	23.08	240		28.34	42.48		
	36.06	180	29.33	11.59	18.33		
	18.73			43.4			
	45.15	120	13.64	28.83	37.86		
	16.14	STONE	42.06	29.12			
	155.23	60	275.24	138.42	9.27		
	112.65	60	84.75	24.58	8.84		
	151.37	60	201.19	86.09	23.59		
	107.97	360			86.96	8	
	31.29	120		45.48	6.10		
	39.09	60	28.78	14.91	16.35		
	128.13	587	84.79	16.18	93.96	5	
	107.43	300	27.76	69.49	48.74	8	
	61.12	300	14.55	58.68	36.85	5	
	145.48	360	54.04	42.5	76.79	6	
	58.05	360	27.2		53.20		
	164.39	900		13.31	263.98	10	
	21.35		14.41	39.74			
	183.86	720	13.24	94.67	115.12	12	
	201.65	900	25.17	26.4	136.56	15	
	Total:		4535.99	21077.00	2620.72	1594.36	2947.22

6.0 VERIFICATION ANALYTICAL SUMMARY TABLE

6.1 Stack Emission Sites

Stack emission sites were not sampled for verification. This was due to the fact that a predetermined depth for excavation was given to OHM by USACE for each stack emission site.

Stack emission sites are sampled for pre-characterization analysis. Depth's from Woodward/Clyde Sampling are being reviewed by the USEPA and may result in re-sampling.

7.0 PHOTO REPRESENTATION

Photographs and videocassettes documented all sites in all phases of the Granite City project. Each property was documented with before, during, and after photographs and videos. The following sections are representative of the various types of work performed during Phases 1, 2, and 3. Not all properties - only selected representative samples - are presented in this final report, in order to minimize the volume of paper.

1231 Grand (Page 7-2)

- Top picture - Lot before excavation
- Middle picture - Lot during excavation
- Bottom picture - Lot after restoration/sod

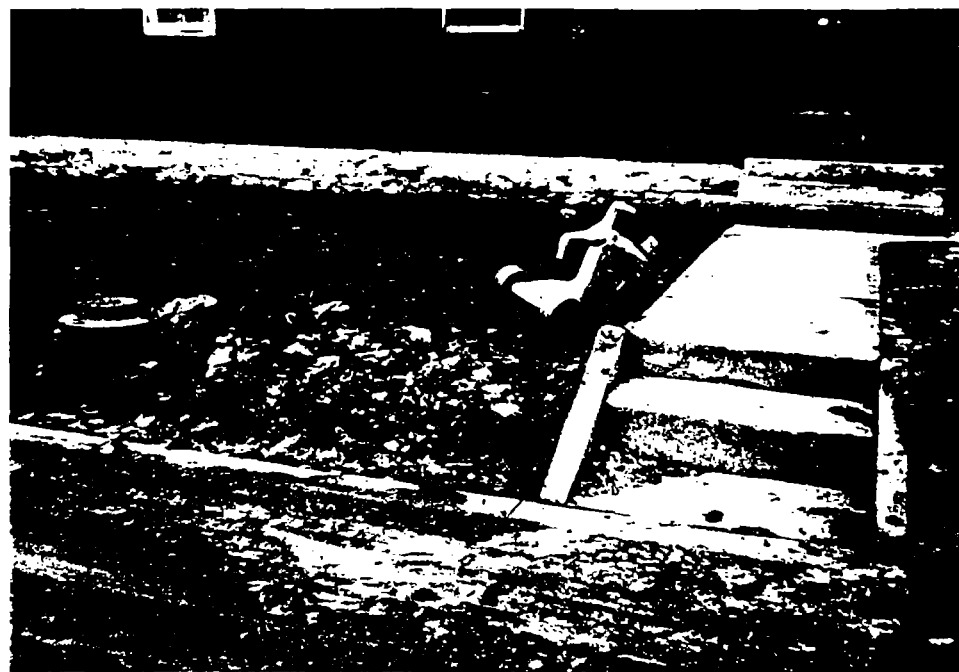
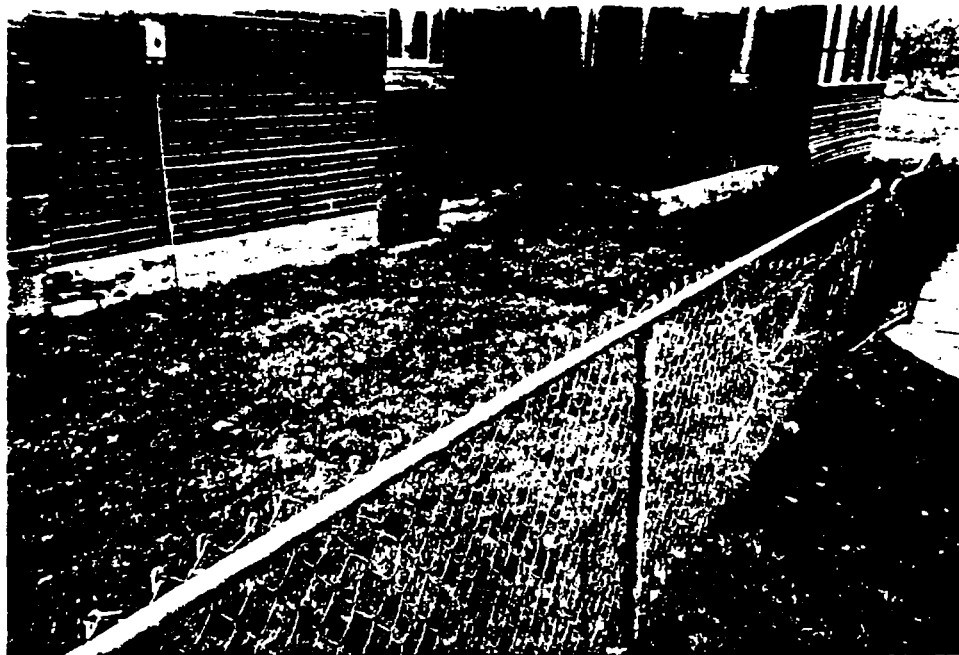
935 Niedringhaus (Page 7-3)

- Top picture - Lot before excavation
- Middle picture - Lot during excavation
- Bottom picture - Lot after restoration/sod

1725 State (Page 7-4)

- Top picture - Lot before excavation
- Middle picture - Lot during excavation
- Bottom picture - Lot after excavation/finished to grade



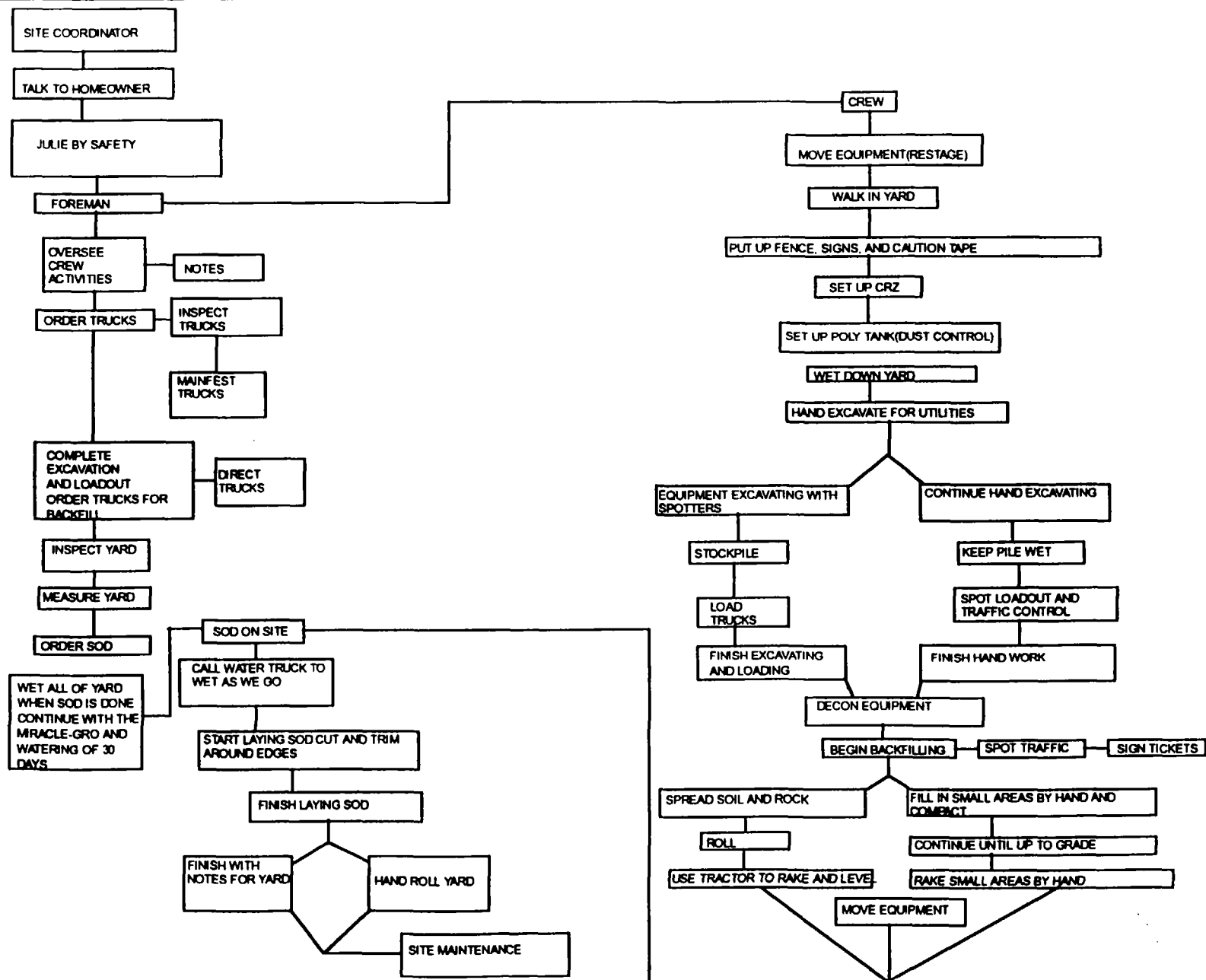




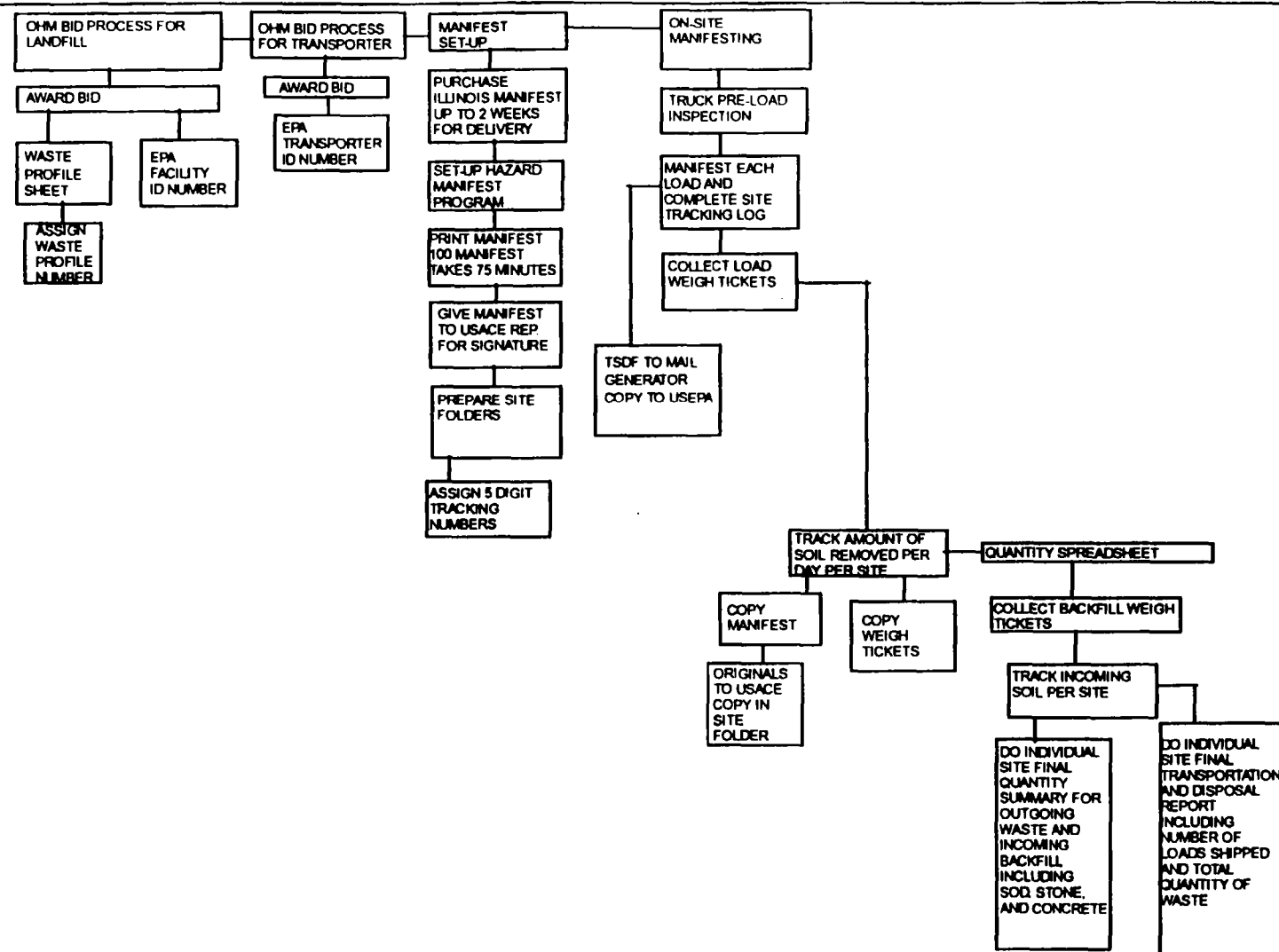
APPENDIX A

FLOW CHARTS

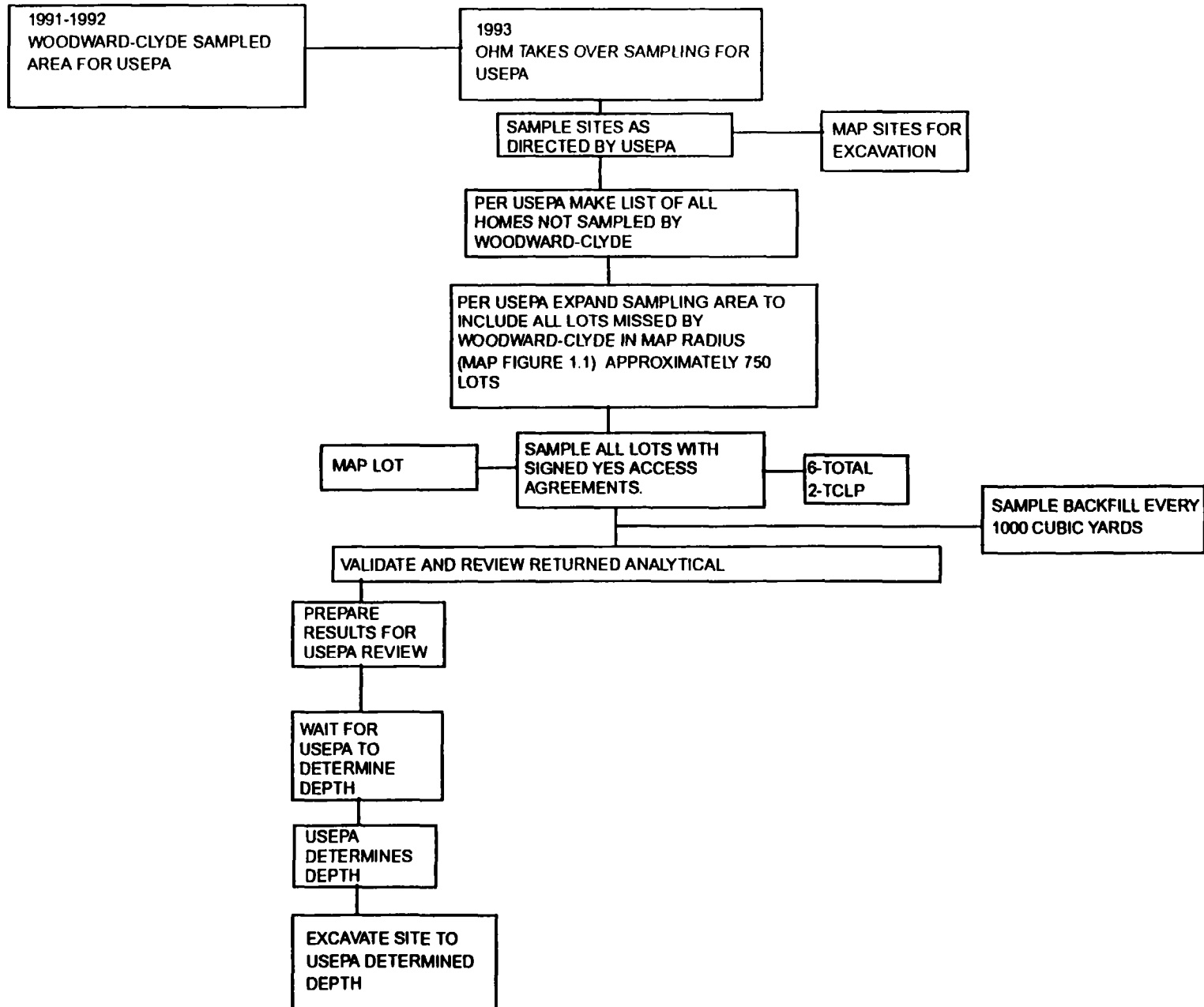
OPERATIONS FLOW CHART



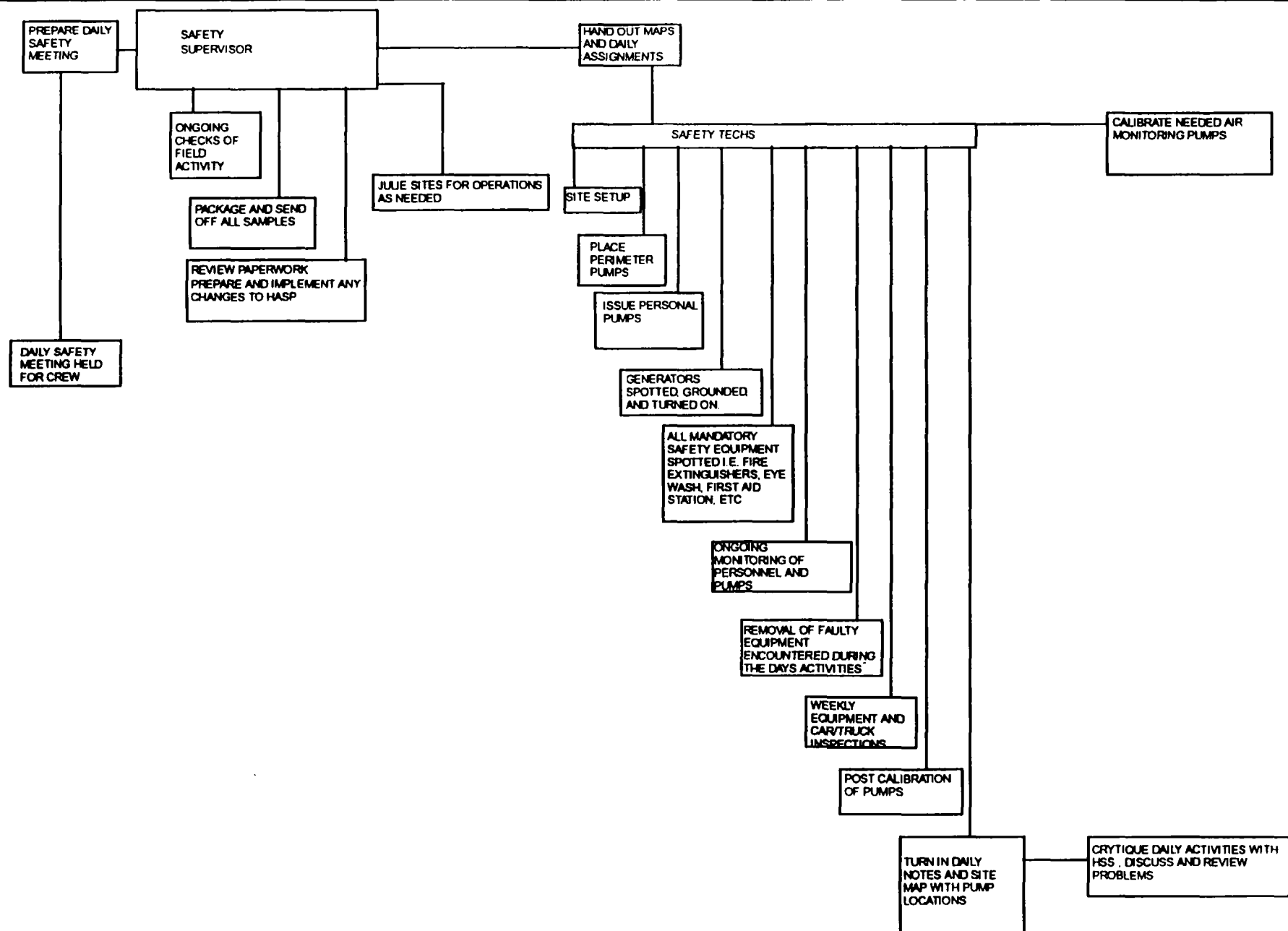
TECHNICAL EFFORT FOR TRANSPORTATION AND DISPOSAL



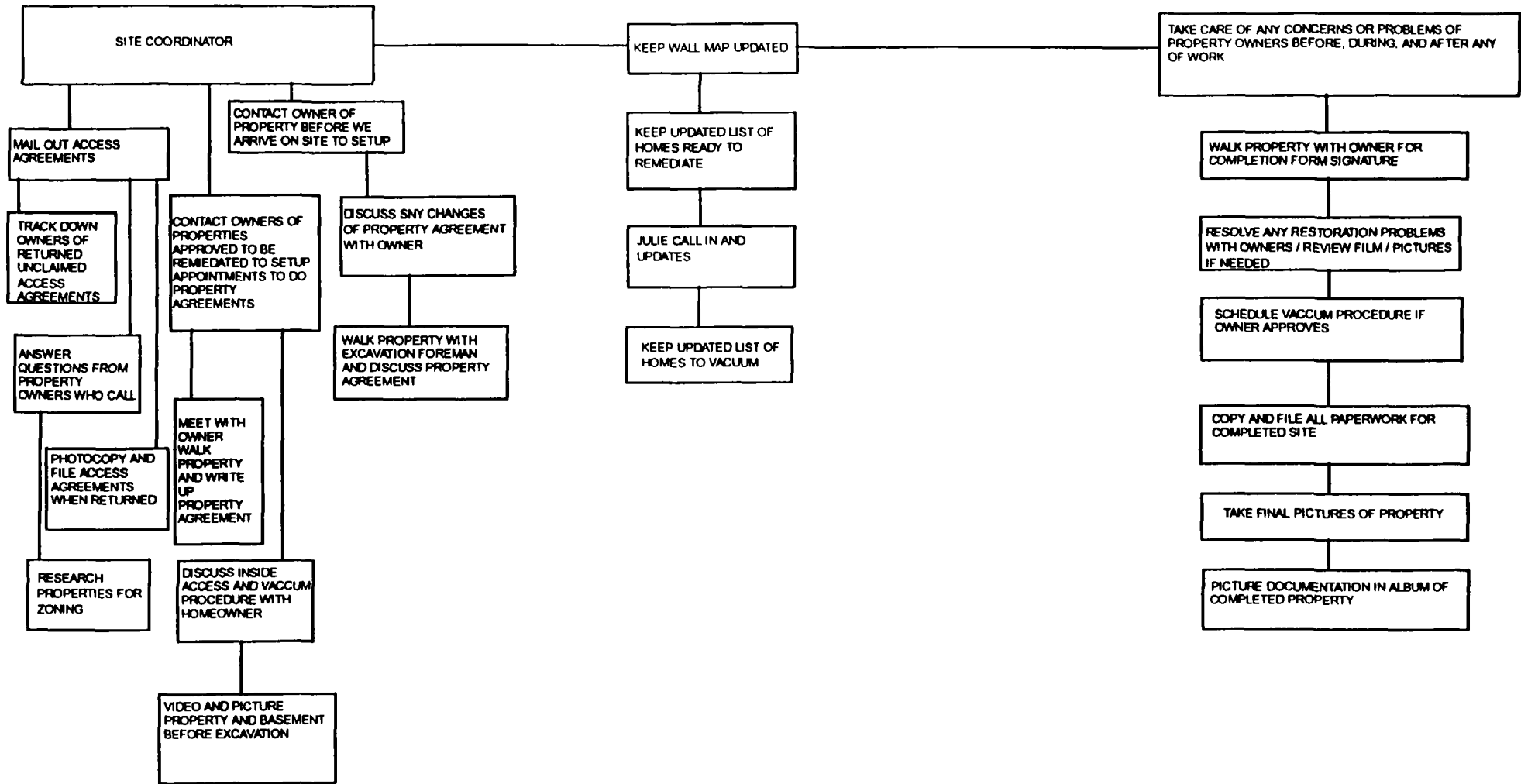
TECHNICAL EFFORT FOR : MPLING



SAFETY FLOW CHART



SITE COORDINATOR LOW CHART

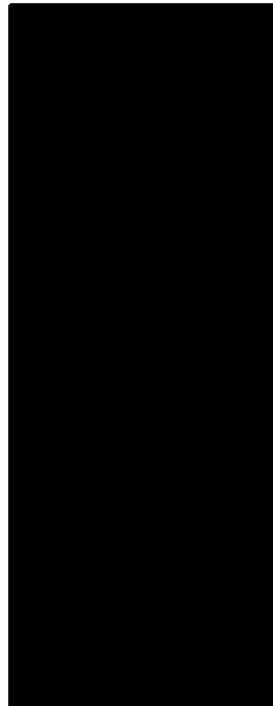
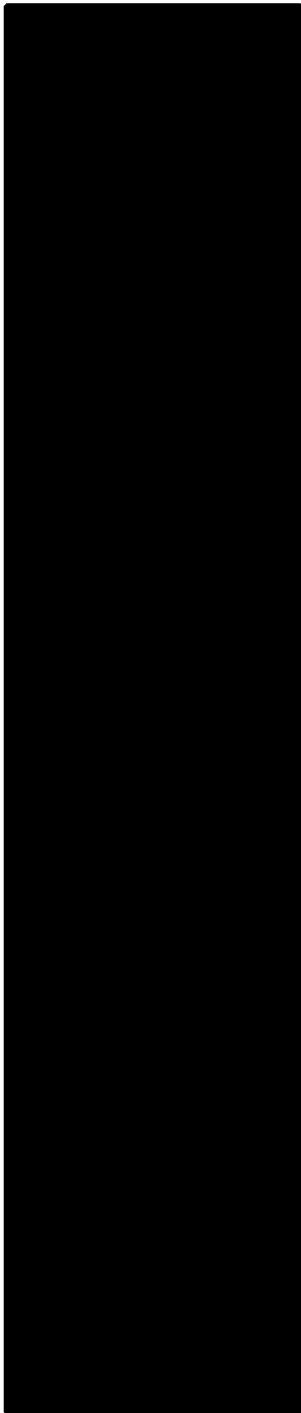


APPENDIX B

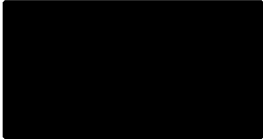
REMIDIAL LOCATION WORK DESCRIPTION

APPENDIX B - REMEDIAL LOCATION WORK DESCRIPTIONS

APPENDIX B - REMEDIAL LOCATION WORK DESCRIPTIONS



IS



Action Date: 03-03-97
Loadout: 03-04-97
Restoration Begins: 03-05-97
Restoration Completed: 03-11-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 47.39 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26	*Kotuata
*17-KW	
*X331	

*Subcontractors:

*WMI
-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
47.39	2	25.38	120	37.67	27.74			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

692

1110

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

533

987

6 - 12" Front and Back

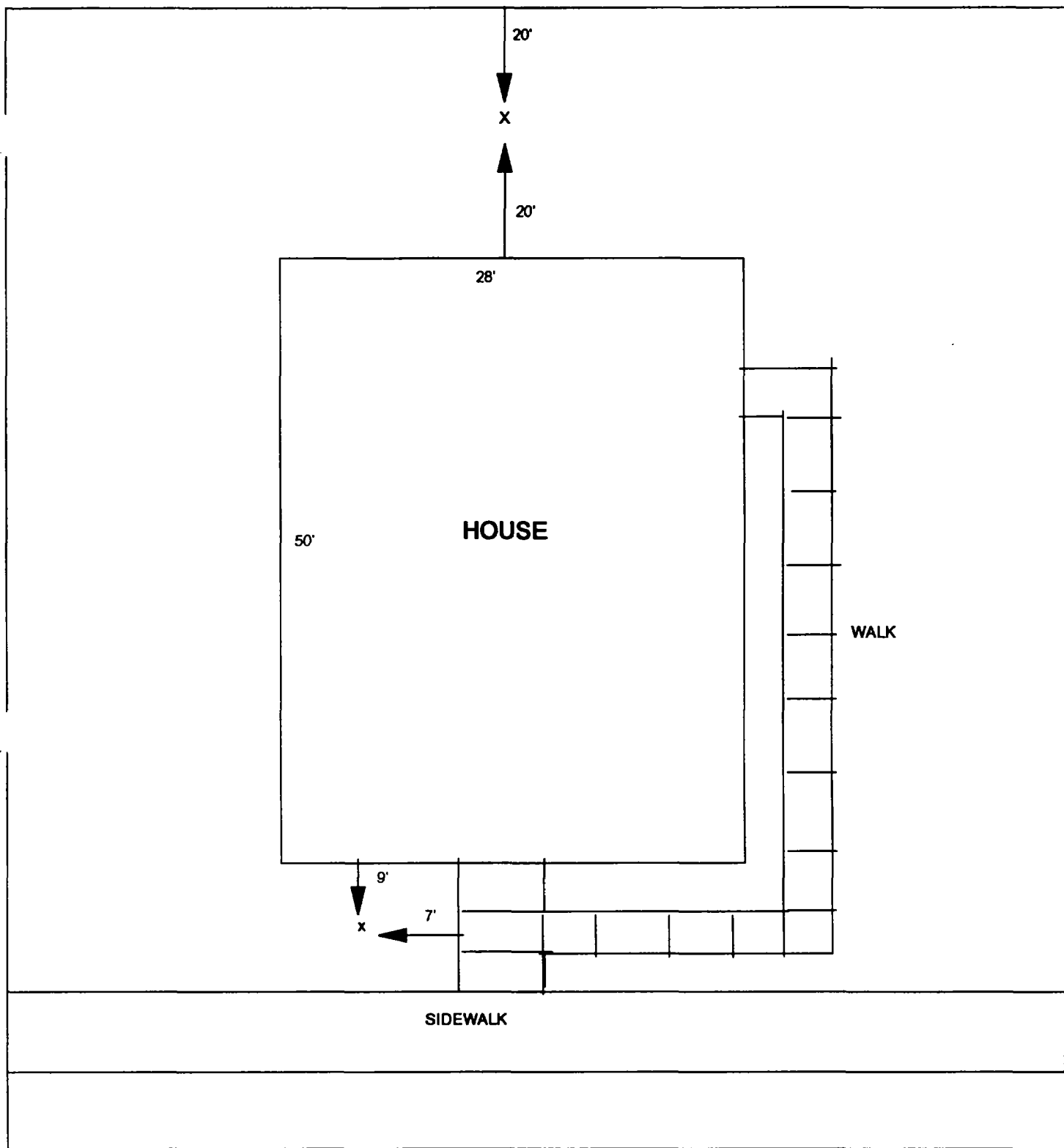
C	C	C
PPM	PPM	PPM
No.	No.	No.

187

382

Depth
Excav.
(inch)

6



X = SAMPLE POINT



**TOTAL
DEMINSIONS**

108'X60'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 6/5/97	Approved By:
Scale: NTS	Drawing No:



Action Date: 12-10-06

Loadout: 12-11-96

Restoration Begins: 12-14-96

Restoration Completed: 12-16-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USEPA.

*An excavation depth of 12 inches was established by USEPA prior to work commencing.

*The excavation of special waste yielded a total of 82.13 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26 Takeuchi
- *17-KW Generator
- *Bobcat X331

*Subcontractors:

- *WMI - landfill
- *Prochnow - Sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	SOD OR SEED	CONCRETE	OTHER
82.13	7	76.29	18.24			300		

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1640

745

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

461

811

6 - 12" Front and Back

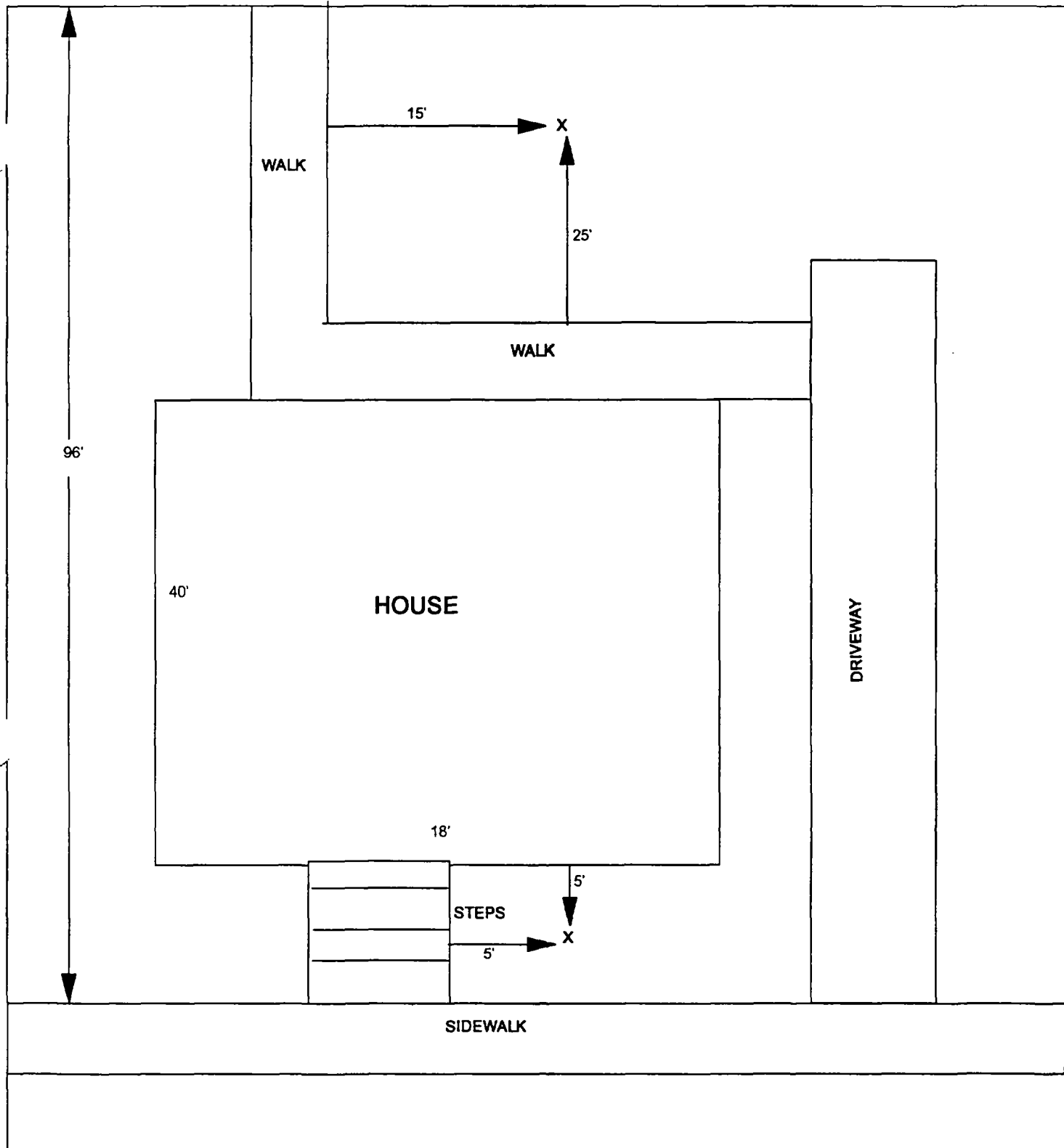
C	C	C
PPM	PPM	PPM
No.	No.	No.

37


581

Depth
Excav.
(inch)

12



X = SAMPLE POINT

		OHM Corporation Findlay, Ohio	
TOTAL DEMINSIONS		Drawn By: JG	Checked By:
96'X67'		Date: 5/29/97	Approved By:
		Scale: NTS	Drawing No:

Action Date: 12-10-96

Loadout: 12-11-96

Restoration Begins: 12-13-96

Restoration Completed: 12-14-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 25.86 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
25.86		53.85	180	37.48	8.91			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

614

806

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

57

391

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

29

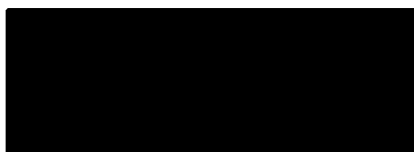
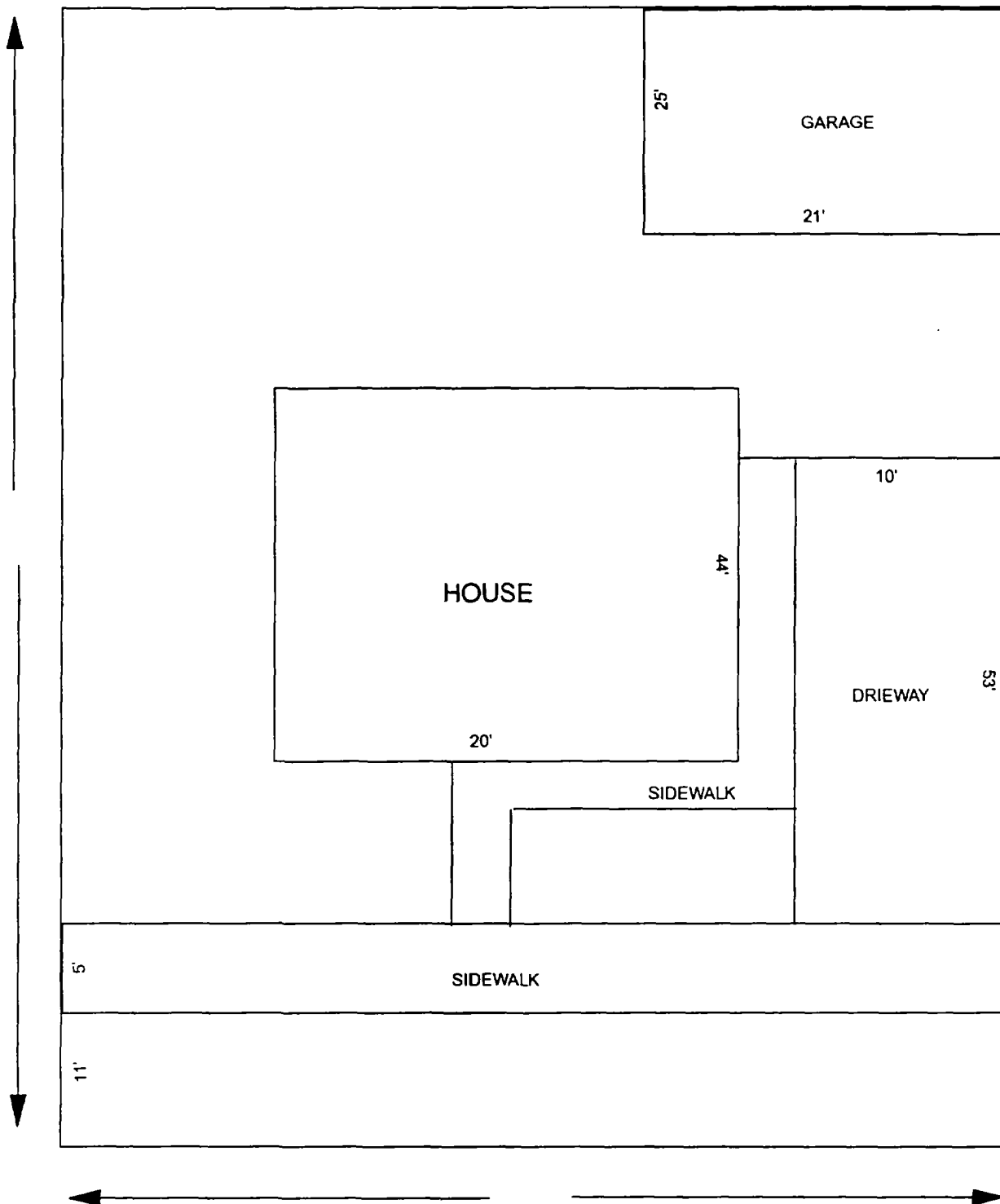
153

Depth

Excav.

(inch)

3



		OHM Corporation Findlay, Ohio	
		Drawn By: MTB	Checked By:
		Date: 5/2/96	Approved By:
		Scale: NTS	Drawing No:

[REDACTED]

Action Date: 12-05-96

Loadout: 12-07-96

Restoration Begins: 12-07-96

Restoration Completed: 12-11-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 96.47 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



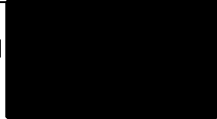
SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
96.47	9	77.45	320	49.17				

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1



578 606
 524 1420

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

152 529 13
 201 1070
 73 70

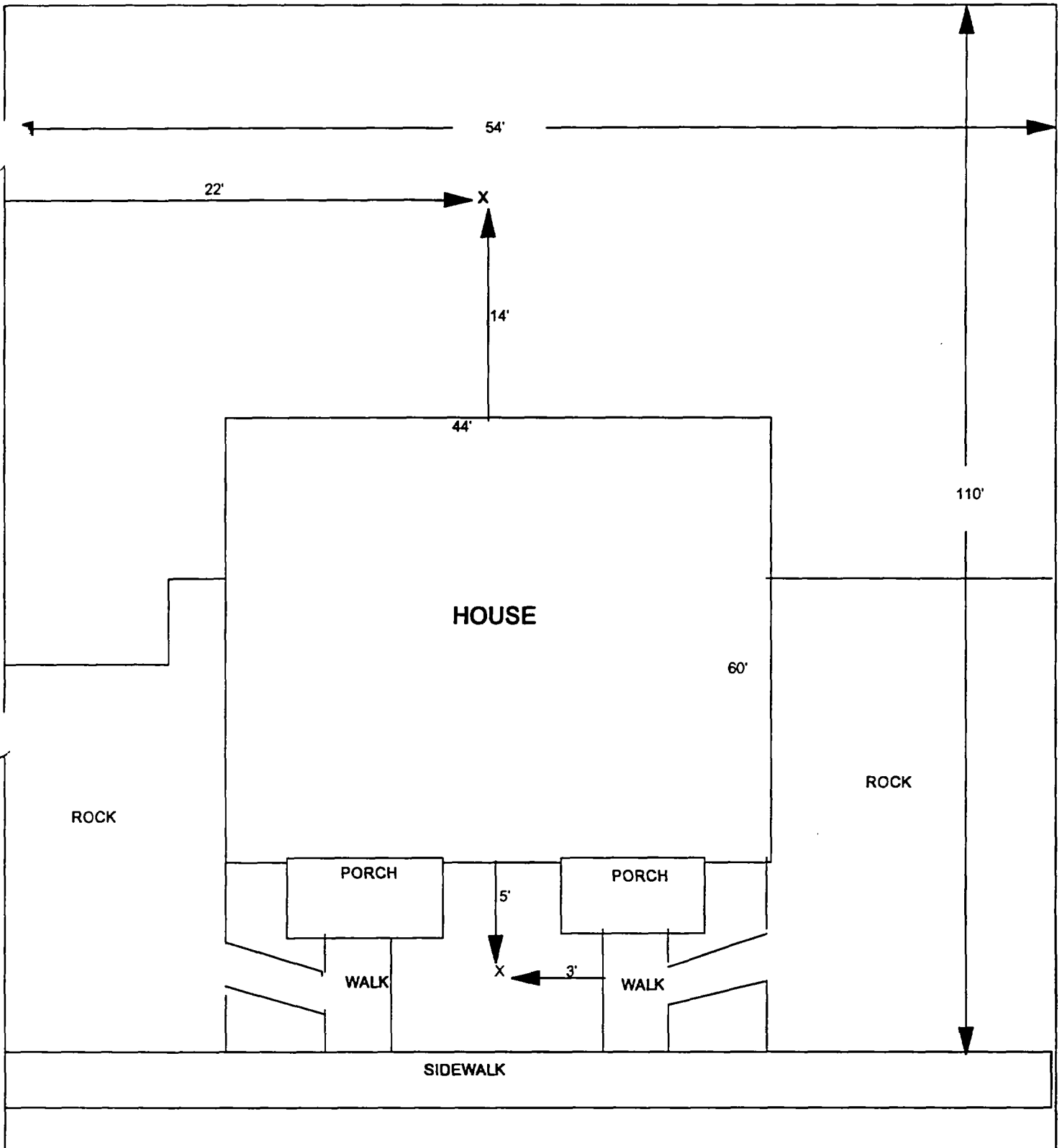
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

309 497 342
 81 726
 50 1400

Depth
Excav.
(inch)

12



X = SAMPLE POINT


~~172420 CHESTNUT~~

TOTAL
DIMENSIONS

110'X54'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/29/97	Approved By:
Scale: NTS	Drawing No:



Action Date: 12-02-96

Loadout: 12-03-96

Restoration Begins: 12-03-96

Restoration Completed: 12-10-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 50.41 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
50.41	2	68.65	285					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

517

684

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

585

811

6 - 12" Front and Back

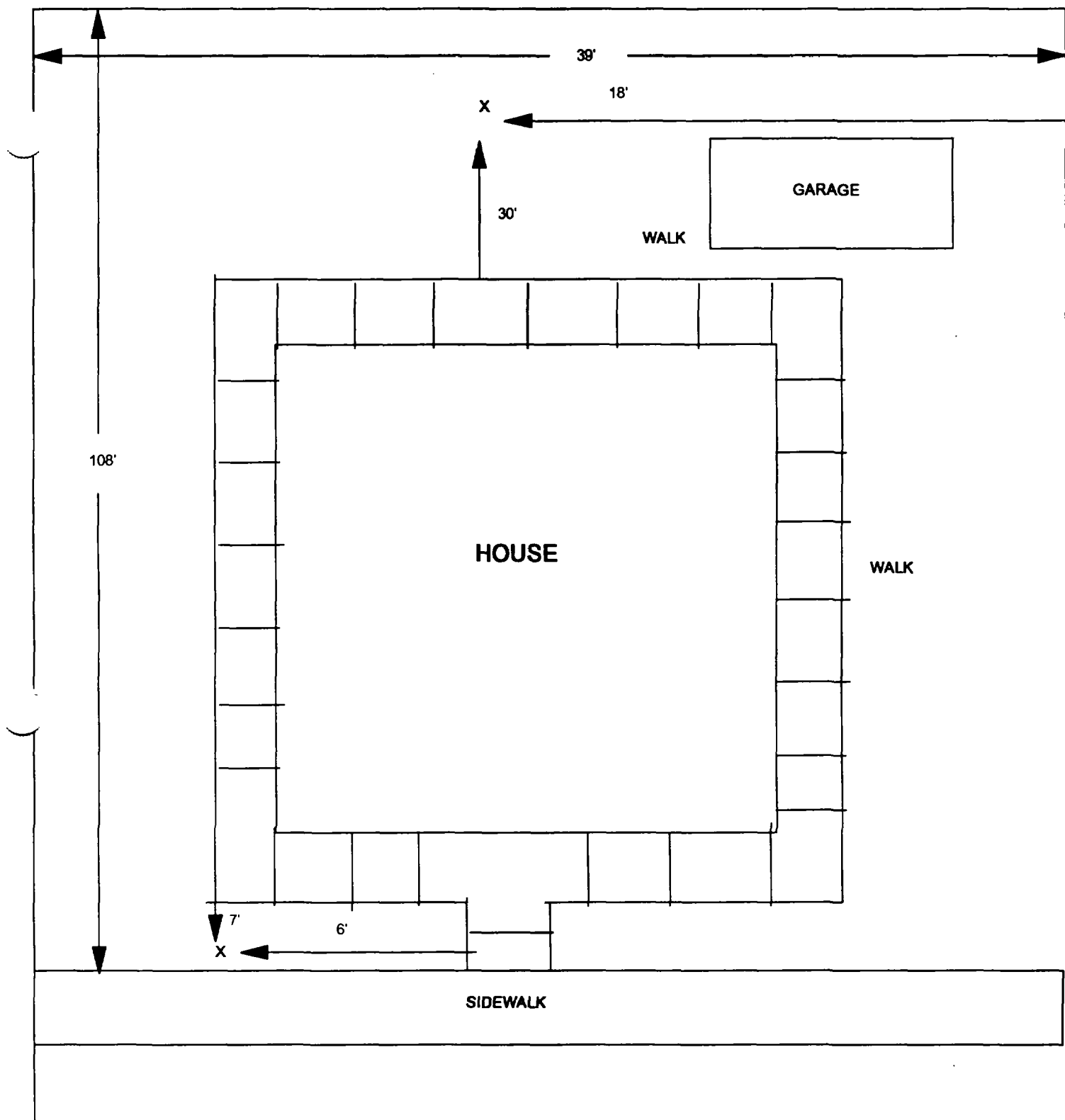
C	C	C
PPM	PPM	PPM
No.	No.	No.

446

350

Depth
Excav.
(inch)

6



X = SAMPLE POINT

**TOTAL
DEMINSIONS**

108'X39'

OHM
Corporation
Findley, Ohio

Drawn By: JG

Checked By:

Date:
5/30/97

Approved By:

Scale: NTS

Drawing No:

[REDACTED]

Action Date: 11-13-96
Loadout: 11-16-96
Restoration Begins: 11-16-96
Restoration Completed: 12-14-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 69.44 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

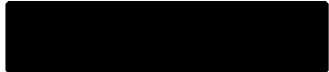
- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Prochnow Landscaping
 - sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
69.44	2	90.31	480		14.01			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



1400

590

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

450

720

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

270

480

Depth
Excav.
(inch)

6

Action Date: 11-18-96

Loadout: 11-19-96

Restoration Begins: 11-20-96

Restoration Completed: 11-21-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 41.83 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow

-sod

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
41.83		64.1	360		28.12			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



830 320
 460 510

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

480 52
 200 250

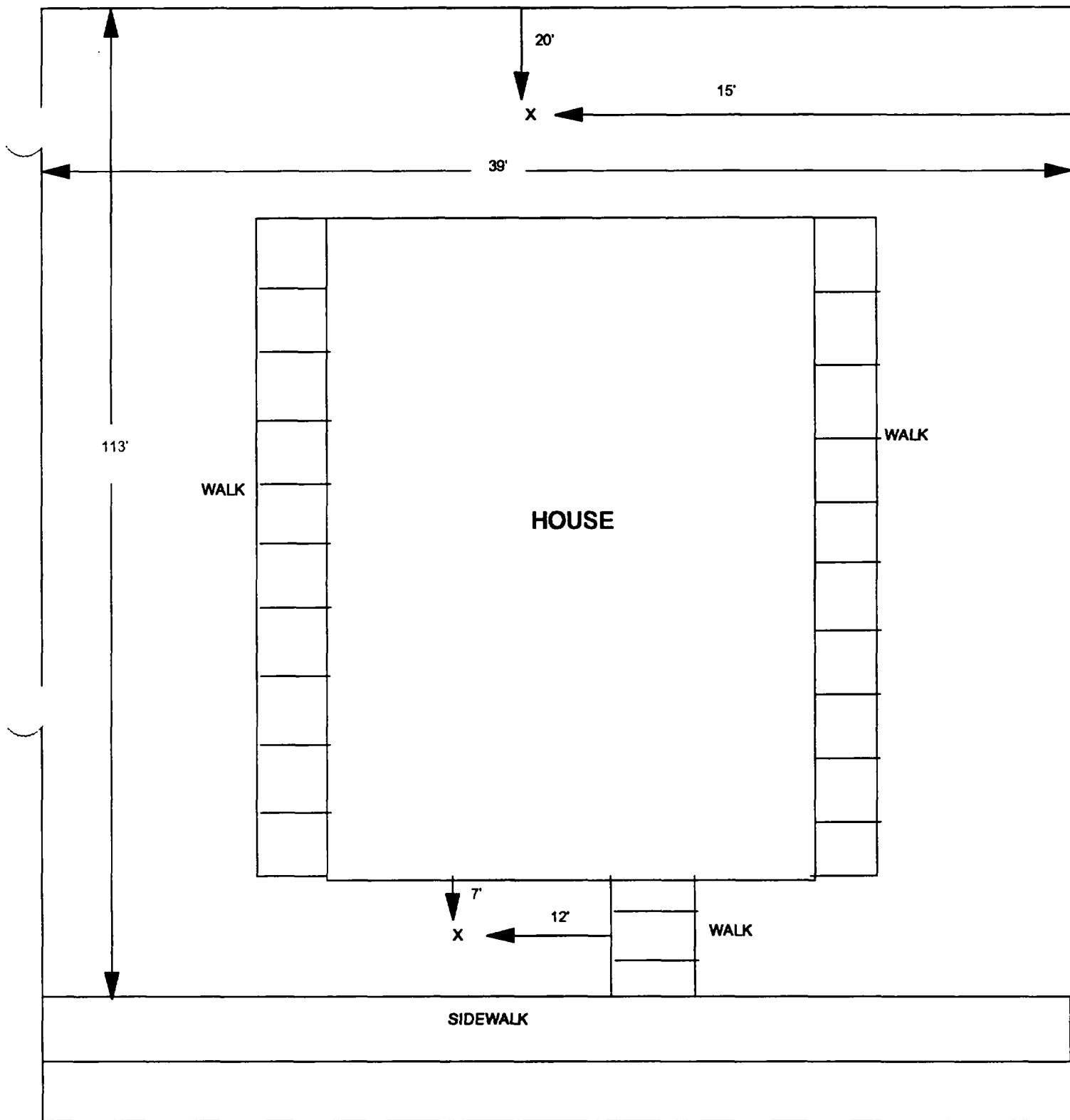
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

170 360
 22 100

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DEMINSIONS

113'X39'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date: 5/30/97

Approved By:

Scale: NTS

Drawing No:

[REDACTED]

Action Date: 01-28-97

Loadout: 02-03-97

Restoration Begins: 02-03-97

Restoration Completed: 02-12-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 131.68 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
131.68	53	229.25	1260	113.15	15.57			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



710

509

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

300

368

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

168

276

Depth
Excav.
(inch)

3

SIDEWALK

41'

BUILDING

49'

BUILDING

26'

BUILDING

45'

70'

30'

57'

120'

HOUSE
STORE

30'

87'

X

SIDEWALK

X = SAMPLE POINT



TOTAL
DEMINSIONS

120'X174'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG


Checked By:

Date: 5/30/97

Approved By:

Scale: NTS

Drawing No:



Action Date: 02-17-97
Loadout: 02-19-97
Restoration Begins: 02-25-97
Restoration Completed: 03-06-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 71.15 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
- landfill

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
71.15		173.81	780					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



467 484 494
 320 150 507

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

367 634 233
 130 200 299

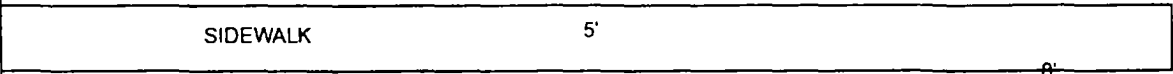
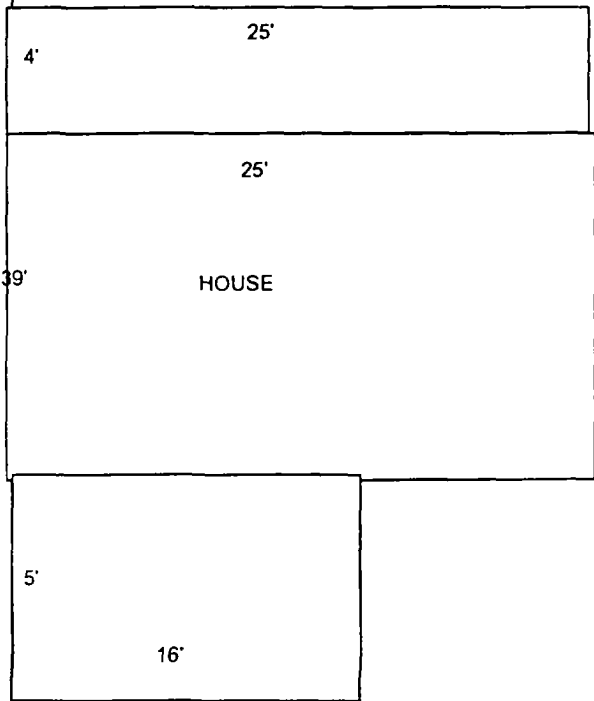
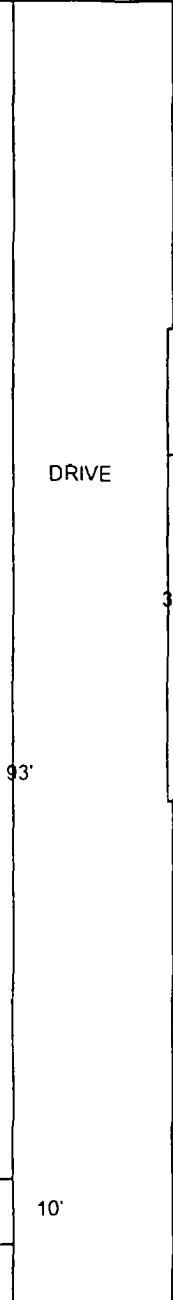
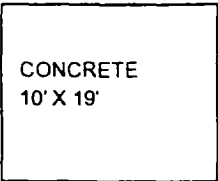
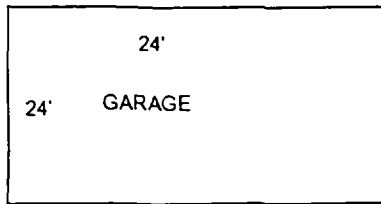
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

127 216
 87 460

Depth
Excav.
(inch)

3




TOTAL DIMENSIONS:
90' X 121'

		OHM Corporation Findlay, Ohio	
		Drawn By: AS	Checked By:
		Date: 7/24/96	Approved By:
		Scale: NTS	Drawing No:

2

3

4



Action Date: 11-12-96
Loadout: 11-15-96
Restoration Begins: 11-15-96
Restoration Completed: 12-17-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 121.85 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
121.85	8	68.93	435		14.29			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



803

454

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

495

465

6 - 12" Front and Back

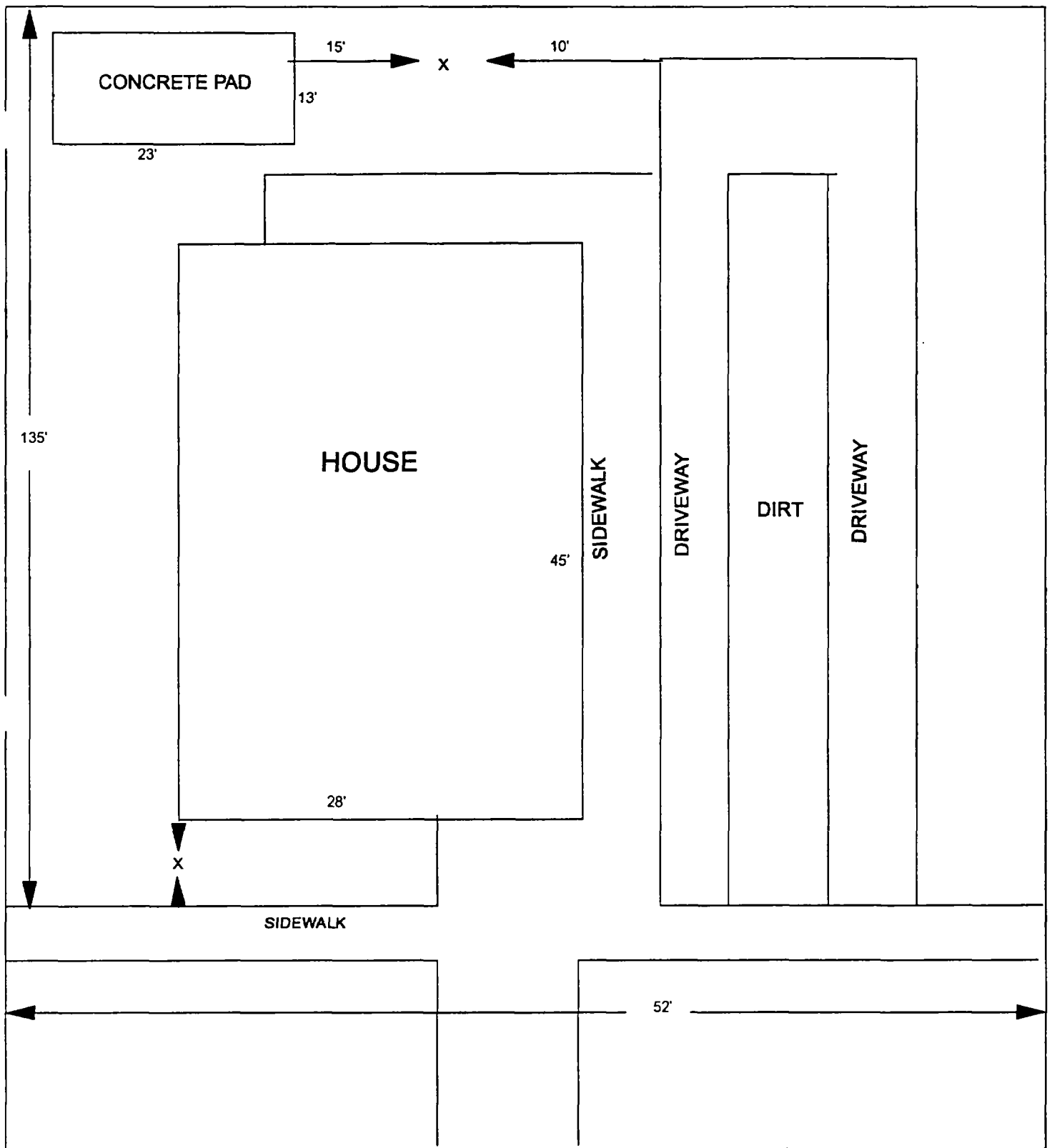
C	C	C
PPM	PPM	PPM
No.	No.	No.

599

180

Depth
Excav.
(inch)

12



X = SAMPLE POINT



TOTAL
DEMENSIONS

135'X52'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date:
9/30/96

Approved By:

Scale: NTS

Drawing No:

Action Date: 12-09-96

Loadout: 12-09-96

Restoration Begins: 12-14-96

Restoration Completed: 12-16-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 79.89 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
79.89	7	83.46	360					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 1550 929

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1120 626

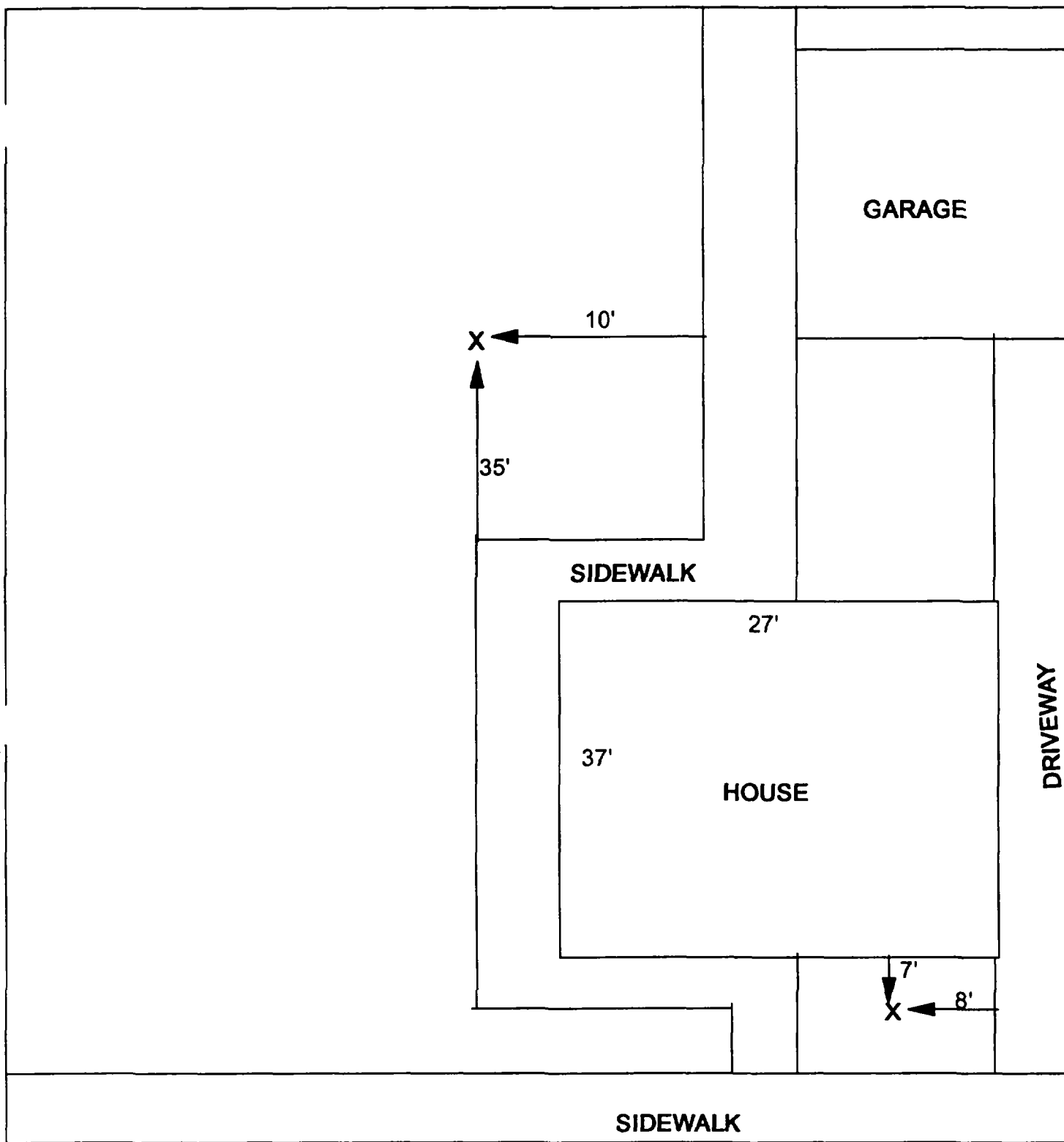
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

704 270

Depth
Excav.
(inch)

12




X = SAMPLE POINT



DEMINSIONS
123'X45'

OHM
Corporation
Findley, Ohio

Drawn By: DDL	Checked By:
Date: 8/12/96	Approved By:
Scale: NTS	Drawing No



Action Date: 01-07-97

Loadout: 01-24-97

Restoration Begins: 02-03-97

Restoration Completed: 02-11-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 343.31 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*Subcontractors:

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
343.31				403.33	300.06			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

801 709

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

841 736

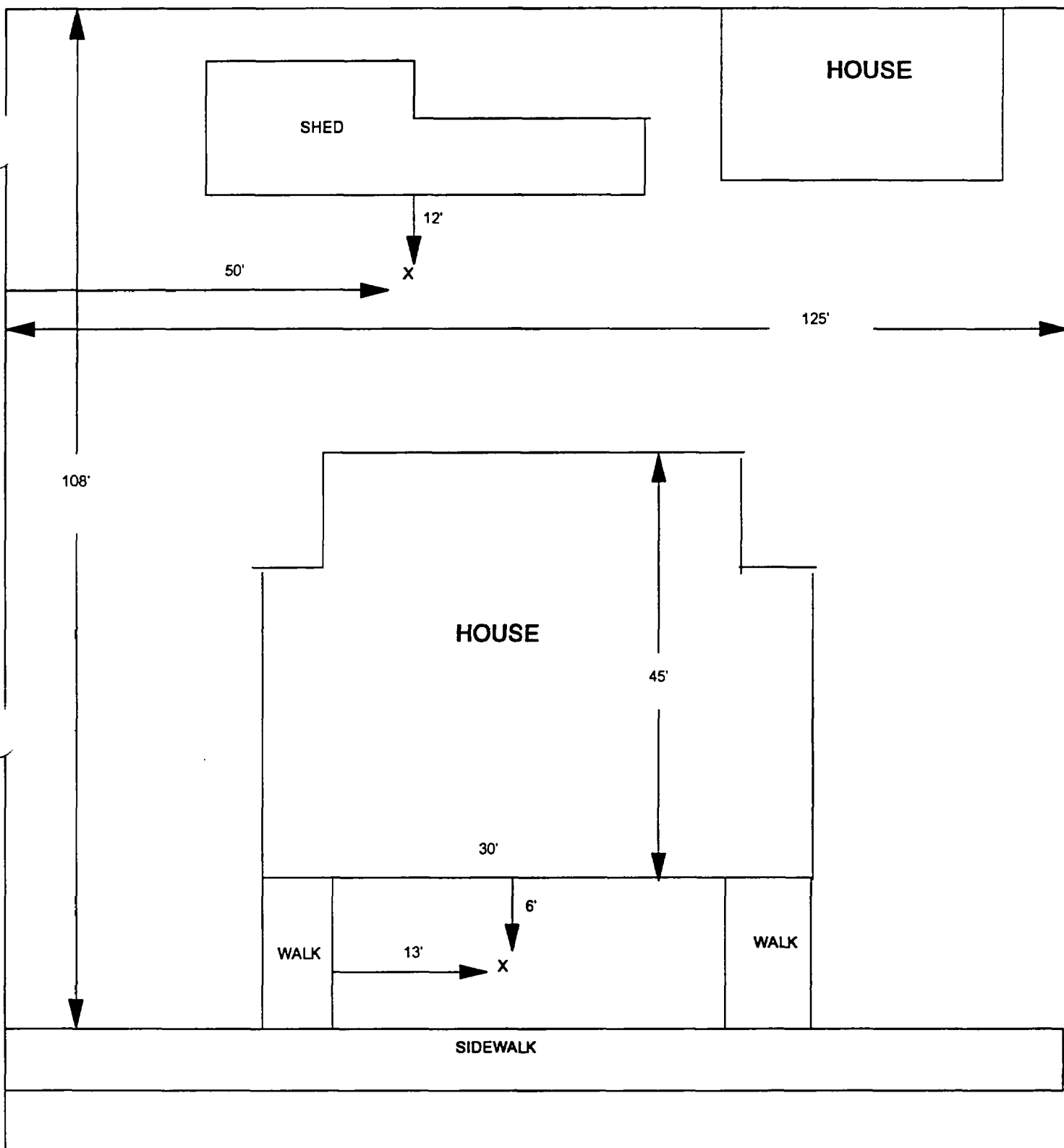
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

334 563

Depth
Excav.
(inch)

12



X = SAMPLE POINT

TOTAL
DEMINIONS
125'X108'

OHM
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/29/97	Approved By:
Scale: NTS	Drawing No:

-

.)

.)

.)

Action Date: 02-03-97

Loadout: 02-07-97

Restoration Begins: 02-08-97

Restoration Completed: 02-11-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 61.53 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
61.53	2	27.5	120	55.97	40.38			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 1240 726

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

872 738

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

485 342

Depth
Excav.
(inch)

6

1

2

3

[REDACTED]

Action Date: 02-11-97
Loadout: 02-13-97
Restoration Begins: 02-13-97
Restoration Completed: 02-15-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 72.86 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26	*Kobata
*17-KW	
*X331	

*Subcontractors:

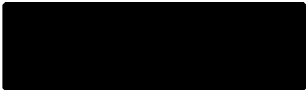
*WMI	
-landfill	
*Turf Mountain	
-sod	

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
72.86	2	23.78	120	14.95	15.86			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



1250 759

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1330 446

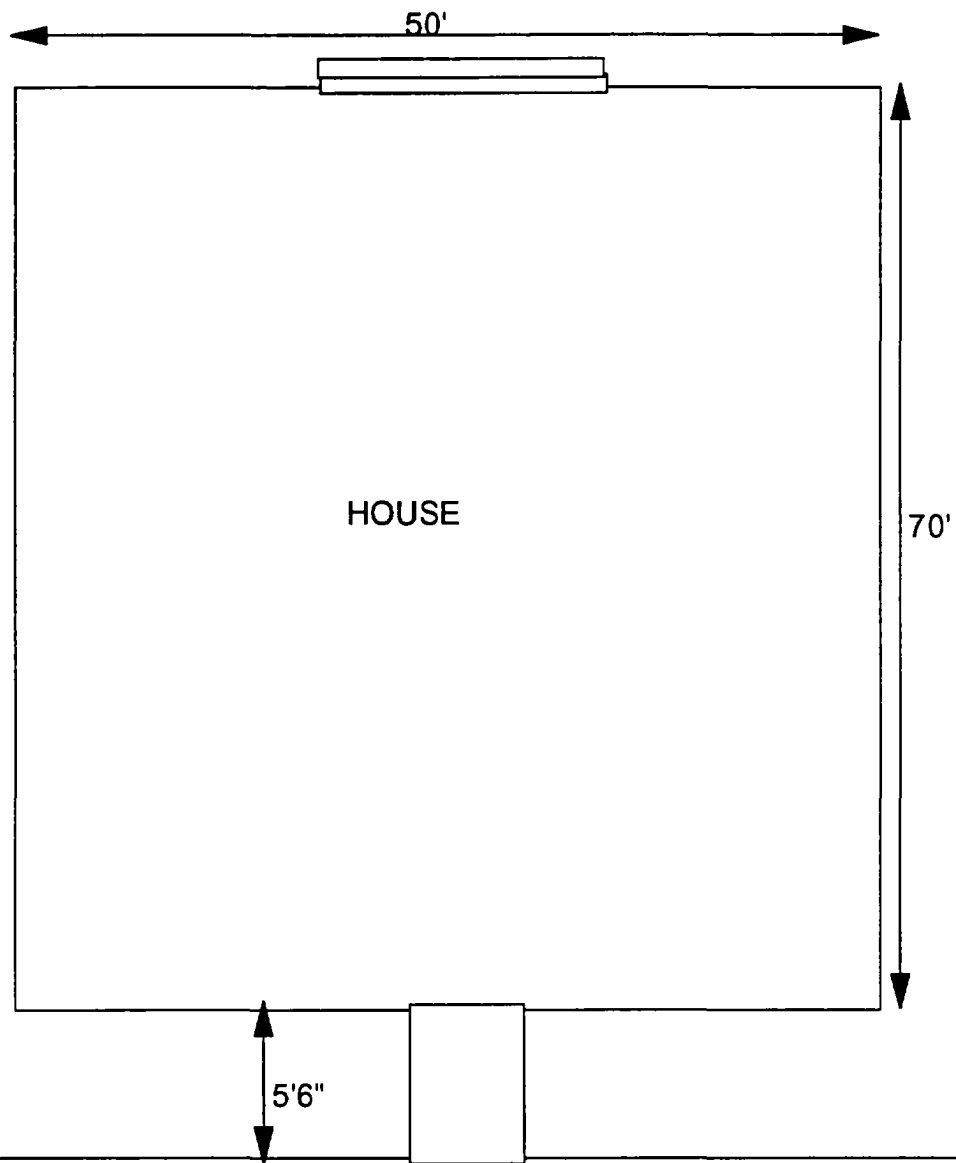
6 - 12" Front and Back


C	C	C
PPM	PPM	PPM
No.	No.	No.

797 214

Depth
Excav.
(inch)

12



	OHM Corporation Findlay, Ohio	
	Drawn By: DDL	Checked By:
	Date: 8/12/96	Approved By:
	Scale: NTS	Drawing No

Action Date: 02-13-97

Loadout: 02-13-97

Restoration Begins: 02-14-97

Restoration Completed: 02-17-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 18.91 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Kobata

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
18.91		20.27	180	28.67	14.16			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 655 464 509

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

583 465 324

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

194 236 284

Depth
Excav.
(inch)

6

[REDACTED]

Action Date: 12-31-96
Loadout: 01-02-97
Restoration Begins: 01-02-97
Restoration Completed: 01-03-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 43.54 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Turf Mountain
 - sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

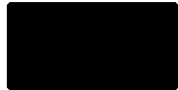


SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
43.54	1	65.36	240		24.41			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



773 501
 388 423
 549 548 1790
 661 429

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

465 478
 502 351
 460 505 483
 530 385

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

110 276
 386 140
 236 230 306
 426 233

Depth
Excav.
(Inch)

6



Action Date: 12-10-96

Loadout: 12-11-96

Restoration Begins: 12-11-96

Restoration Completed: 12-16-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 92.36 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26

- *17-KW

- *X331

*Subcontractors:

- *WMI

- landfill

- *Brockmier

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
92.36	9	123.05	540					

**Sampling Analysis
Project #19321**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

	523	607	787
	289	2030	724

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

557	546
229	917

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

141	733
288	494

Depth
Excav.
(inch)

12



Action Date: 02-06-97

Loadout: 02-06-97

Restoration Begins: 02-12-97

Restoration Completed: 02-14-97

**Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.*

**An excavation depth of 12 inches was established by USACE prior to work commencing.*

**The excavation of special waste yielded a total of 273.61 cubic yards, which was shipped to WMI-Milam for disposal.*

**Equipment utilized during excavation:*

**TL-26*

**17-KW*

**X331*

**Subcontractors:*

**WMI*

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
273.61	14	50	420	258.97	57.5			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

617

553

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

572

350

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

554

465

Depth
Excav.
(inch)

12

[REDACTED]

Action Date: 01-29-97
Loadout: 02-01-97
Restoration Begins: 02-01-97
Restoration Completed: 02-19-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 184.25 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Petago
 - sod
- *C. Grantham
 -

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

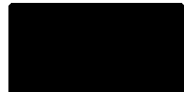
1485 tons

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
184.25	14	116.56	540					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



596 508
 587 743

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

610 459
 496 718

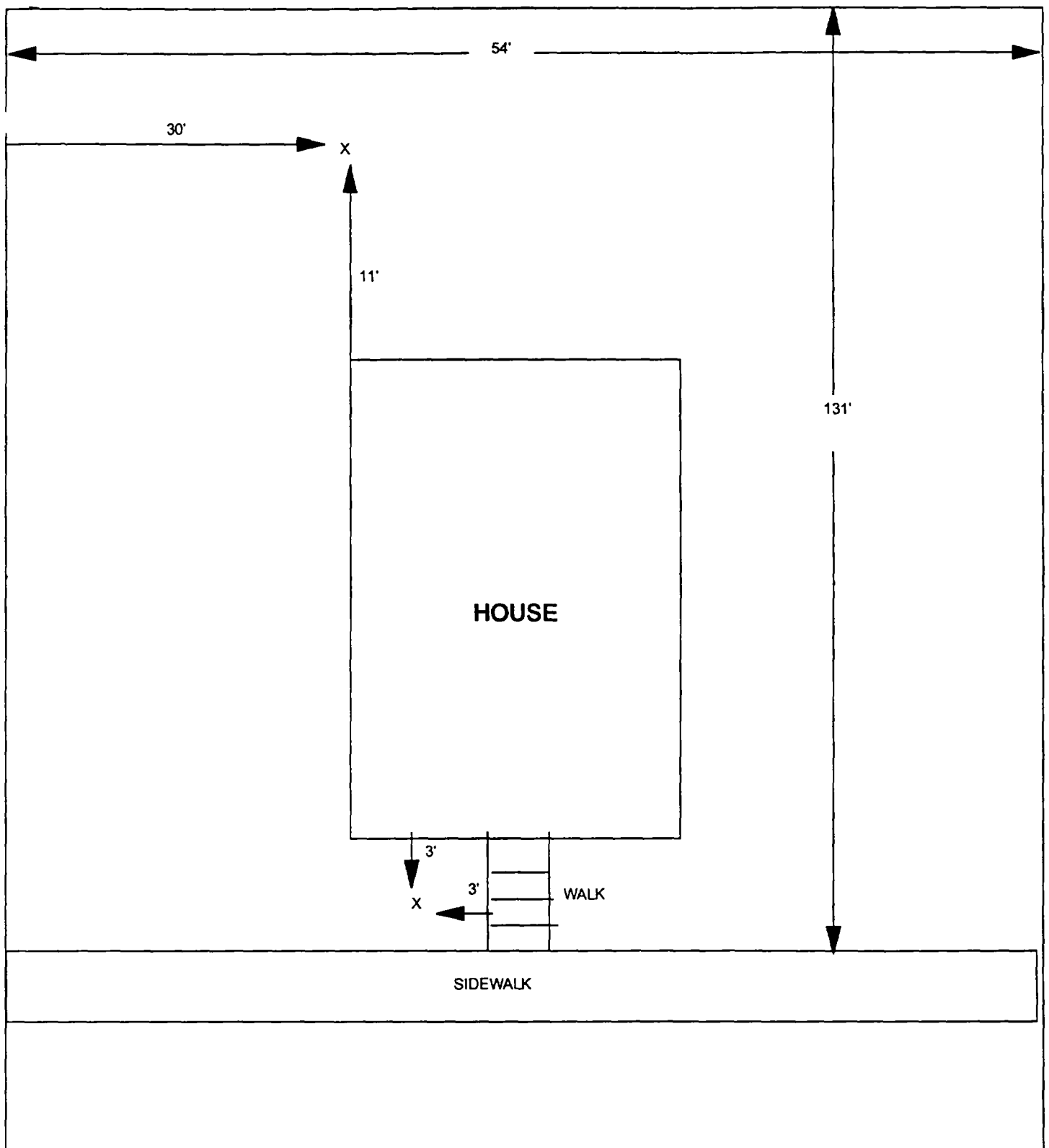
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

7410 233
 552 488

Depth
Excav.
(inch)

12



X = SAMPLE POINT



**TOTAL
DEMINSIONS
131'X54'**

OHM Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 11/18/96	Approved By:
Scale: NTS	Drawing No:



Action Date: 02-15-97

Loadout: 02-18-97

Restoration Begins: 02-18-97

Restoration Completed: 02-19-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 81.67 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
81.67	7	23.97	300	41.45	42.3			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

516

275

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

607

269

6 - 12" Front and Back


C	C	C
PPM	PPM	PPM
No.	No.	No.

548

307

Depth
Excav.
(inch)

12



Action Date: 02-24-97

Loadout: 02-25-97

Restoration Begins: 02-25-97

Restoration Completed: 03-03-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 46.45 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Petago

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
46.45	2	32.99	105	44.12	26.19			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1860

236

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1710

565

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

947

871

Depth
Excav.
(inch)

12

Action Date: 03-04-97
Loadout: 03-06-97
Restoration Begins: 03-07-97
Restoration Completed: 03-08-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 41.19 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26	*TCM 806
*17-KW	
*X331	

*Subcontractors:

*WMI	
	-landfill
*Petago	
	-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
41.19	3	12.75	135	43.18	14.83			

**Sampling Analysis
Project #19321**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

824

687

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

816

824

6 - 12" Front and Back

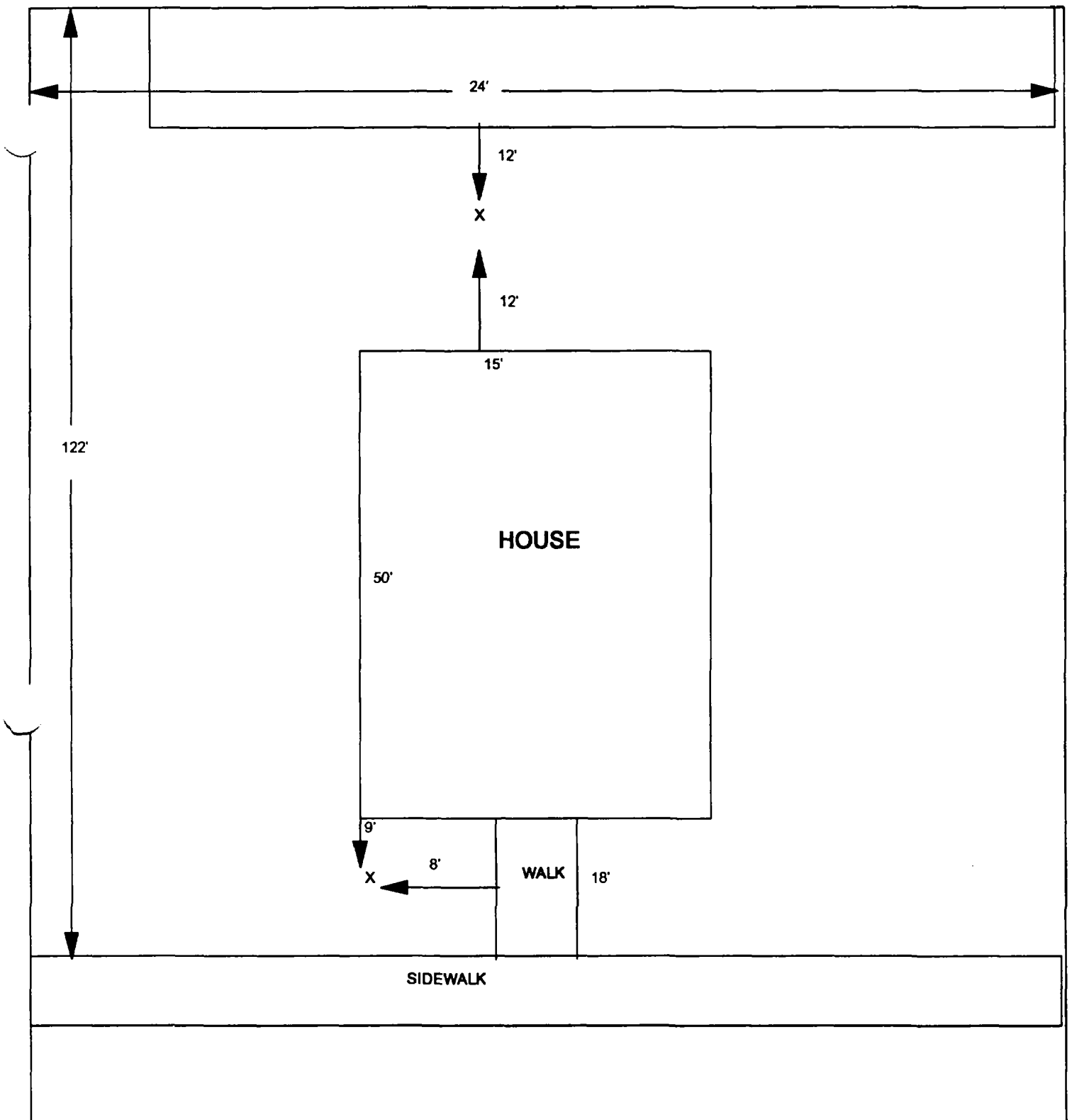
C	C	C
PPM	PPM	PPM
No.	No.	No.

398

751

Depth
Excav.
(inch)

12



X = SAMPLE POINT

TOTAL
DEMINSIONS

122'X24'

OHM
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date:
5/30/97

Approved By:

Scale: NTS

Drawing No:

Action Date: 01-06-97

Loadout: 01-06-97

Restoration Begins: 01-07-97

Restoration Completed: 01-07-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 19.03 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Brockmeier Sod Farm

-sod

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
19.03	2	11.72	180					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



494 **738** **683**
 196 **1490** 140

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

590 167 **608**
 349 **744** 201

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

291 153 177
 273

Depth
Excav.
(inch)

6

1

2

3

[REDACTED]

Action Date: 11-19-96

Loadout: 11-20-96

Restoration Begins: 11-21-96

Restoration Completed: 11-22-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 44.49 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26	* Kubota
*17-KW	* TCM-806
*X331	

*Subcontractors:

*WMI
-landfill
*Prochnow
-sod

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
44.49		71.99	300					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

696
727

1080
1680

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

573
765

573
1430

6 - 12" Front and Back

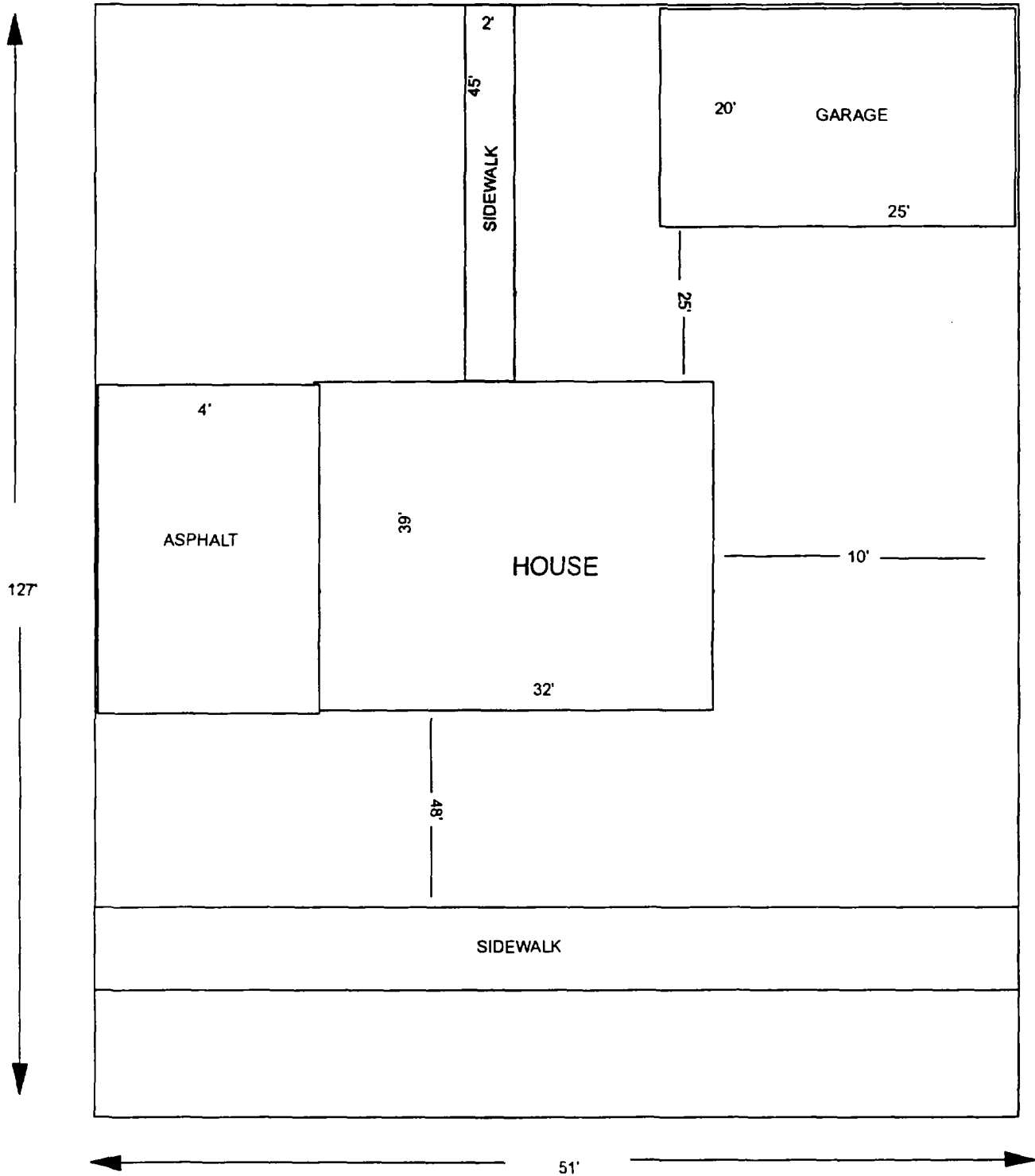
C	C	C
PPM	PPM	PPM
No.	No.	No.

279
622

313
1140

Depth
Excav.
(inch)

6



		OHM Corporation Findley, Ohio	
		Drawn By: MTB	Checked By:
		Date: 4/16/96	Approved By:
		Scale: NTS	Drawing No:

[REDACTED]

Action Date: 02-03-97
Loadout: 02-07-97
Restoration Begins: 02-07-97
Restoration Completed: 02-11-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 70.86 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Petago
 - sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
70.86	5	82.92	600	26.44				

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

180 710

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

264 14300

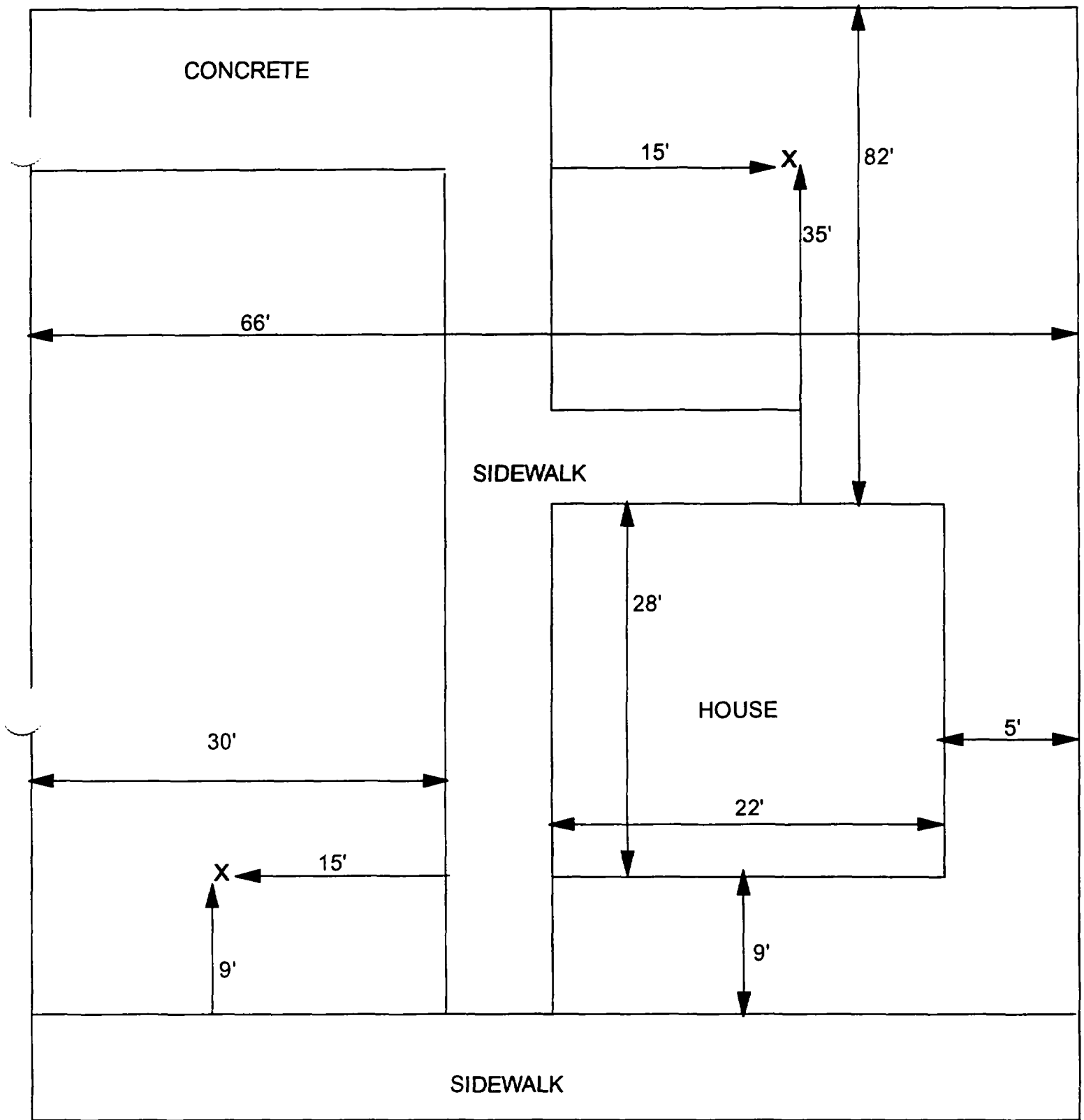
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.


176 496

Depth
Excav.
(inch)

6



X = SAMPLE POINT

<div data-bbox="943 1761 1182 1815" style="background-color: black; width: 145px; height: 25px; margin-bottom: 5px;"></div> <p style="text-align: center;">TOTAL DEMINSION 119'X66'</p>	<div data-bbox="1268 1730 1442 1842" style="text-align: center;">  OHM Corporation <small>Findlay, Ohio</small> </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Drawn By: JG</td> <td style="padding: 2px;">Checked By:</td> </tr> <tr> <td style="padding: 2px;">Date: 5/30/97</td> <td style="padding: 2px;">Approved By:</td> </tr> <tr> <td style="padding: 2px;">Scale: NTS</td> <td style="padding: 2px;">Drawing No</td> </tr> </table>	Drawn By: JG	Checked By:	Date: 5/30/97	Approved By:	Scale: NTS	Drawing No
Drawn By: JG	Checked By:						
Date: 5/30/97	Approved By:						
Scale: NTS	Drawing No						

Action Date: 01-04-97
Loadout: 01-07-97
Restoration Begins: 01-07-97
Restoration Completed: 01-08-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 76.57 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Petago
 - sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
76.57		151.3	540		14.2			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



460 578

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

342 436

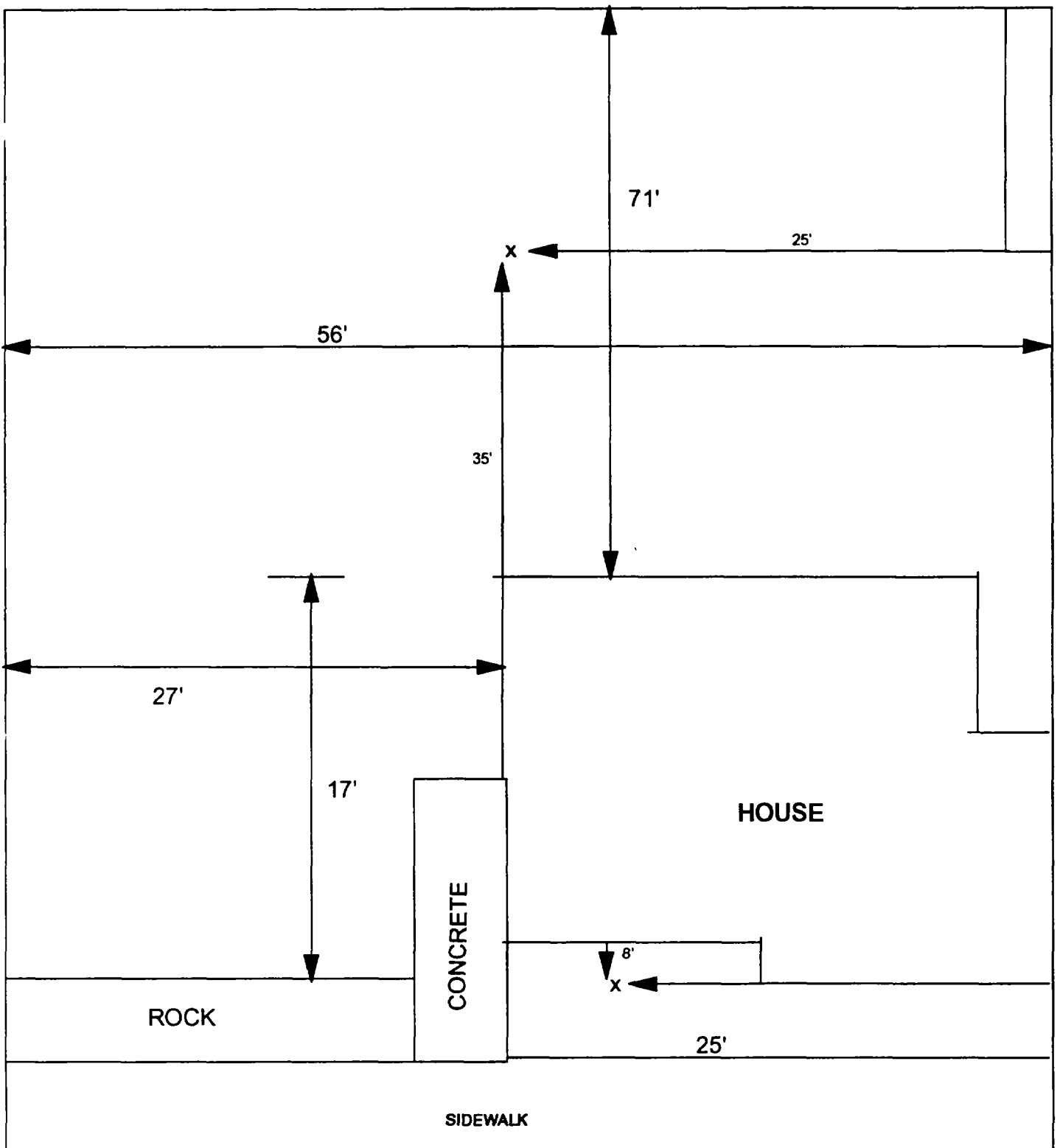
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

88 307

Depth
Excav.
(inch)

3



**TOTAL
DEMINSIONS
90'X56'**

OHM Corporation
Findley, Ohio

Drawn By: JG	Checked By:
Date: 5/30/97	Approved By:
Scale: NTS	Drawing No:

[REDACTED]

Action Date: 02-13-97

Loadout: 02-14-97

Restoration Begins: 02-14-97

Restoration Completed: 02-17-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 70.07 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
70.07	4	103.59	495	15.58	17.03			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

542

413

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

350

644

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

122

203

Depth
Excav.
(inch)

6

[REDACTED]

Action Date: 02-19-97
Loadout: 02-24-97
Restoration Begins: 02-24-97
Restoration Completed: 03-03-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 42.21 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
- landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
42.21		64.22	300	25.87	24.29			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



528
436

951
700

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

488

391

6 - 12" Front and Back

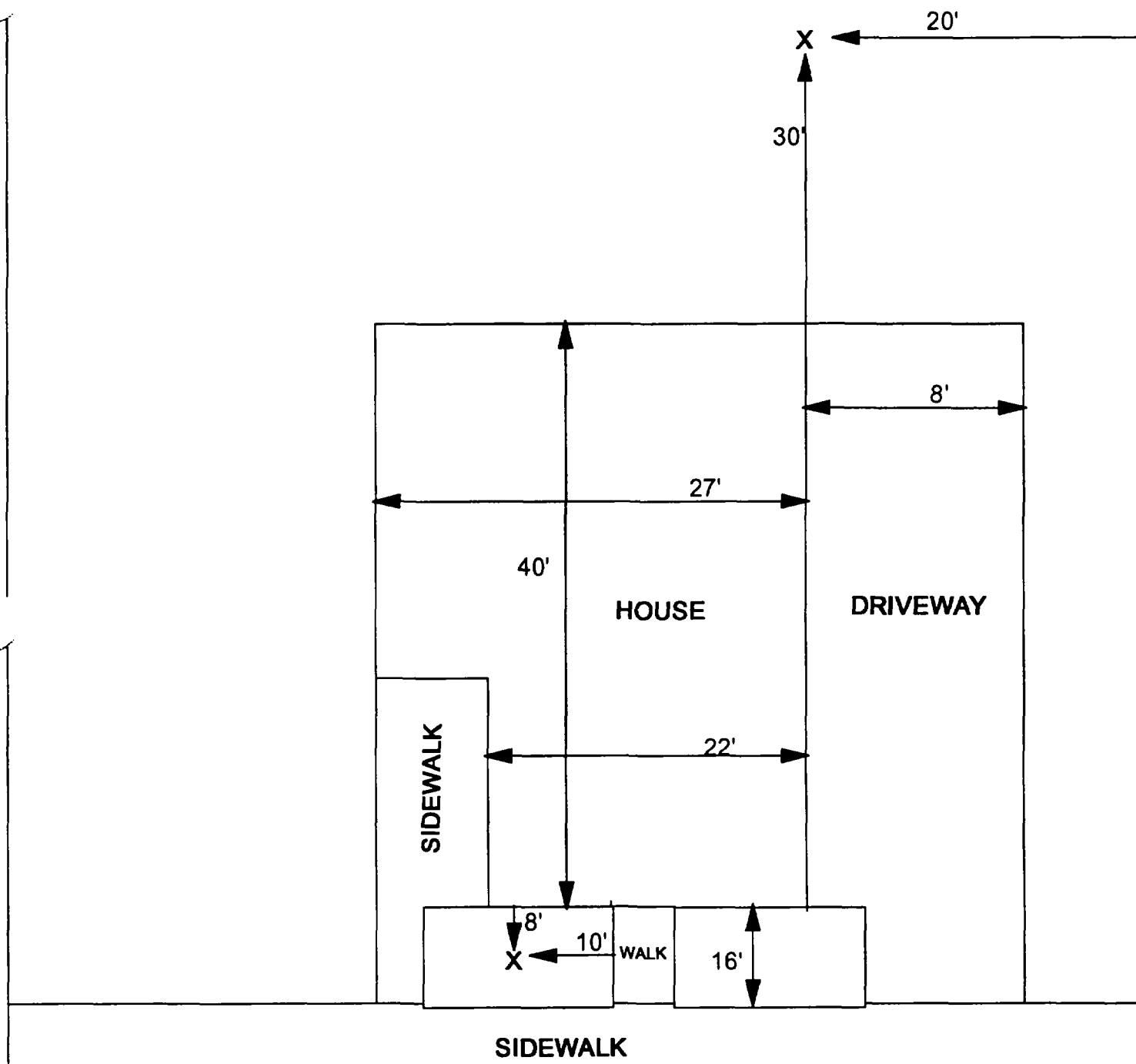
C	C	C
PPM	PPM	PPM
No.	No.	No.

197

237

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DEMINSIONS
131'X48'

OHM
Corporation
Findley, Ohio

Drawn By: JG	Checked By:
Date: 5/30/97	Approved By:
Scale: NTS	Drawing No

Action Date: 11-19-96

Loadout: 11-20-96

Restoration Begins: 11-21-96

Restoration Completed: 11-22-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 44.49 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

* Kubota

*17-KW

* TCM-806

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
44.49		71.99	300					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED]

696 1080
 727 1680

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

573 573
 765 1430

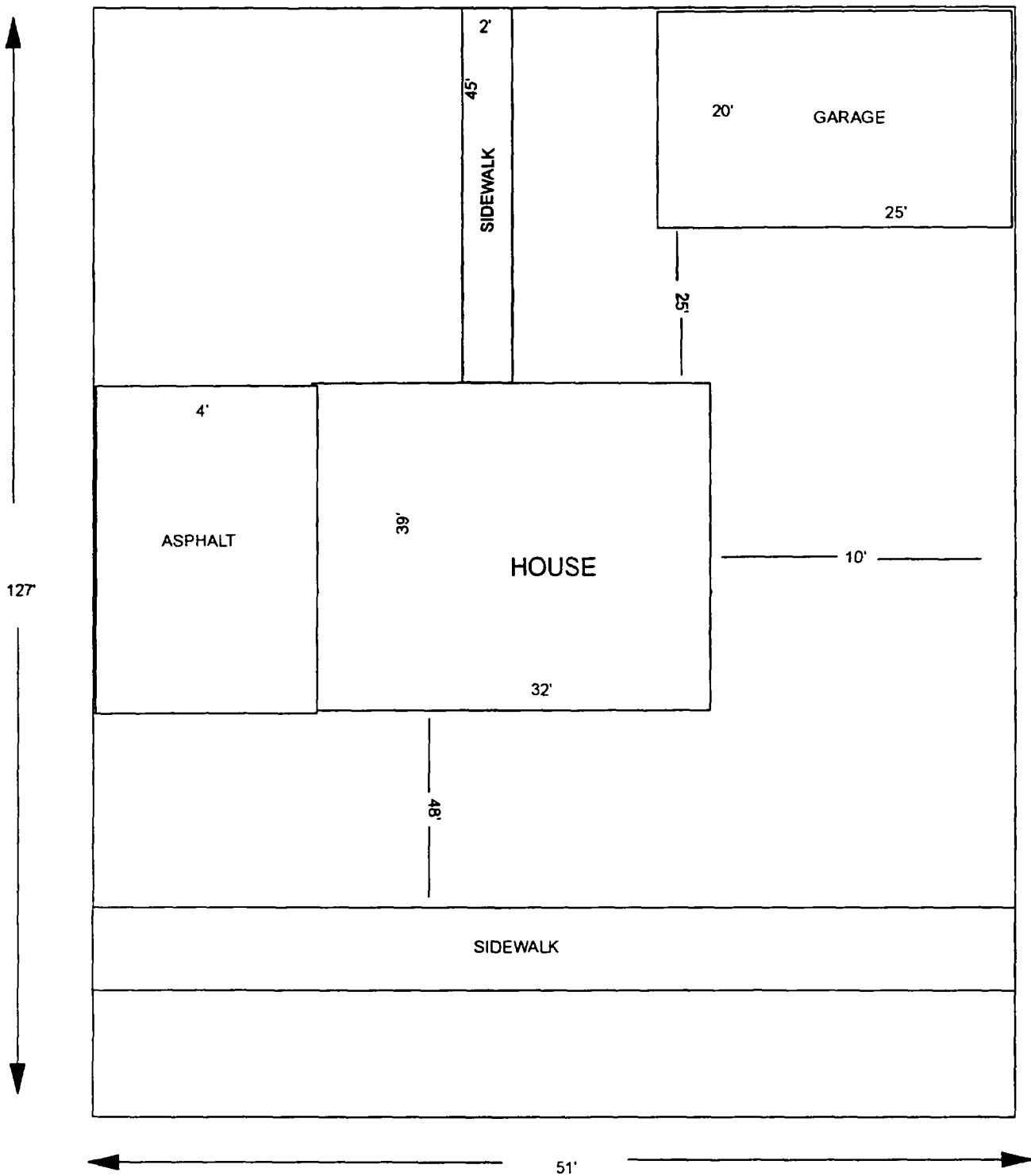
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

279 313
 622 1140

Depth
Excav.
(inch)

6



		OHM Corporation Findlay, Ohio	
		Drawn By: MTB	Checked By:
		Date: 4/16/96	Approved By:
		Scale: NTS	Drawing No:

[REDACTED]

Action Date: 01-08-97

Loadout: 01-23-97

Restoration Begins: 01-24-97

Restoration Completed: 02-17-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 108.18 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
108.18		83.16	240	109.43	14.38			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

587

452

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

414

250

6 - 12" Front and Back

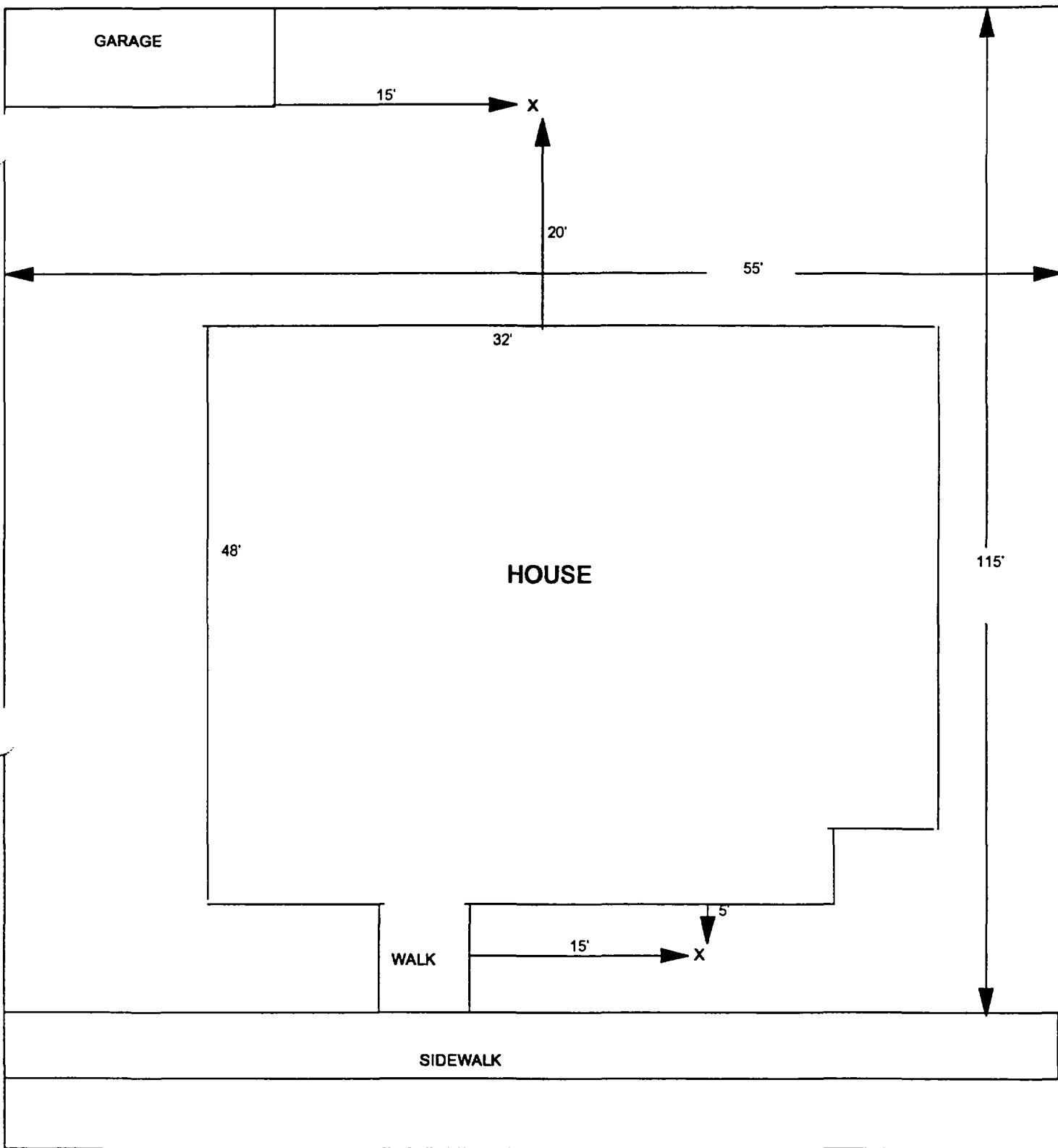
C	C	C
PPM	PPM	PPM
No.	No.	No.

241

276

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DEMINSIONS

115'X55'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date:
5/29/97

Approved By:

Scale: NTS

Drawing No:

[REDACTED]

Action Date: 03-03-97

Loadout: 03-04-97

Restoration Begins: 03-05-97

Restoration Completed: 03-05-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 63.91 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
63.91	2	14.86	120	51.65	55.14			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



510 440
 370 340

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

160 750
 320 780

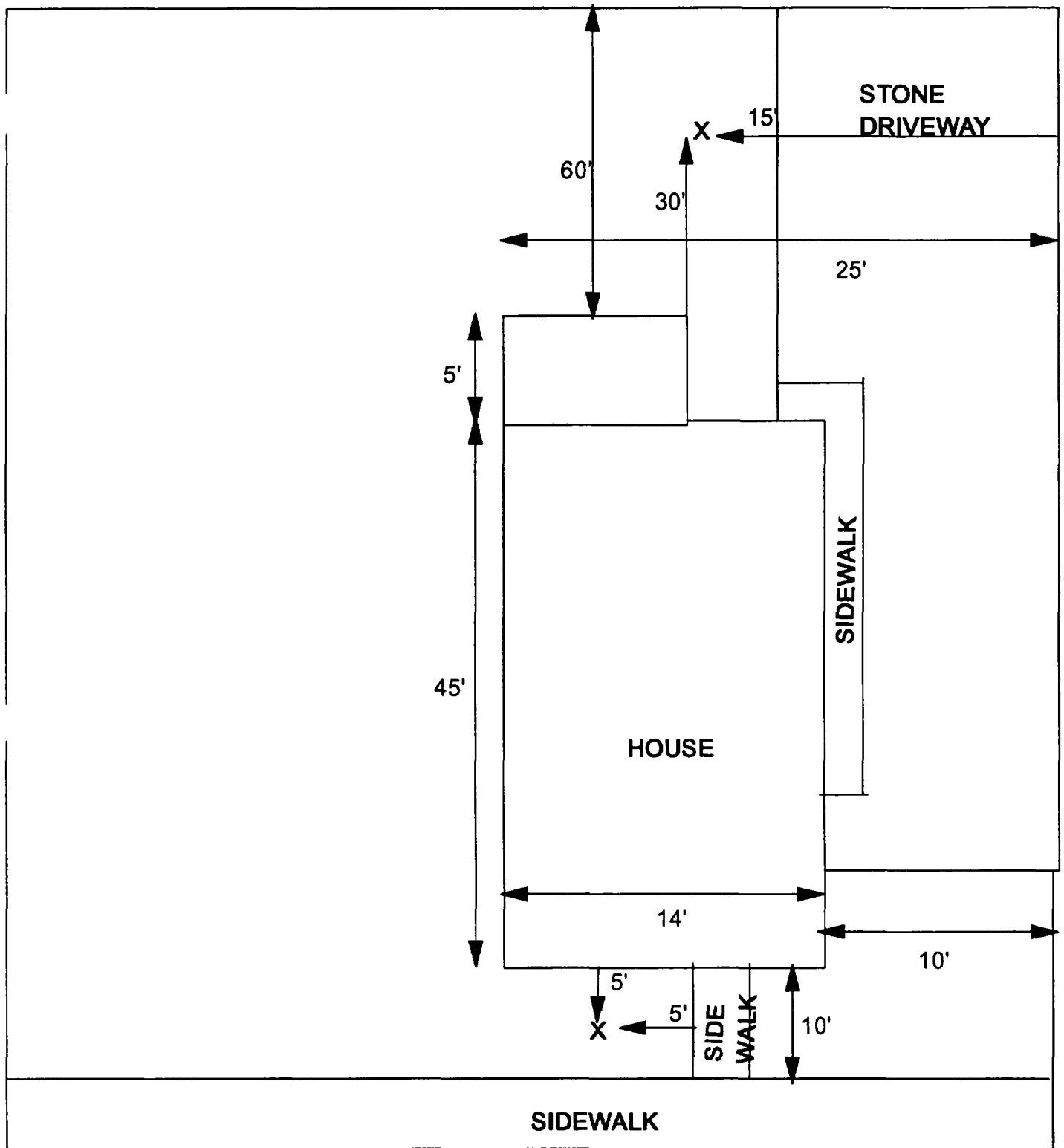
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

530 200
 98 920

Depth
Excav.
(inch)

12



X = SAMPLE POINT

**TOTAL
DEMINSIONS
120'X25'**

OHM
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/30/97	Approved By:
Scale: NTS	Drawing No

1622 24 1

Action Date: 12-31-96

Loadout: 01-02-97

Restoration Begins: 01-02-97

Restoration Completed: 01-03-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 63.31 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
63.31		135.75	465	15.12				

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1  747 640

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

372 444

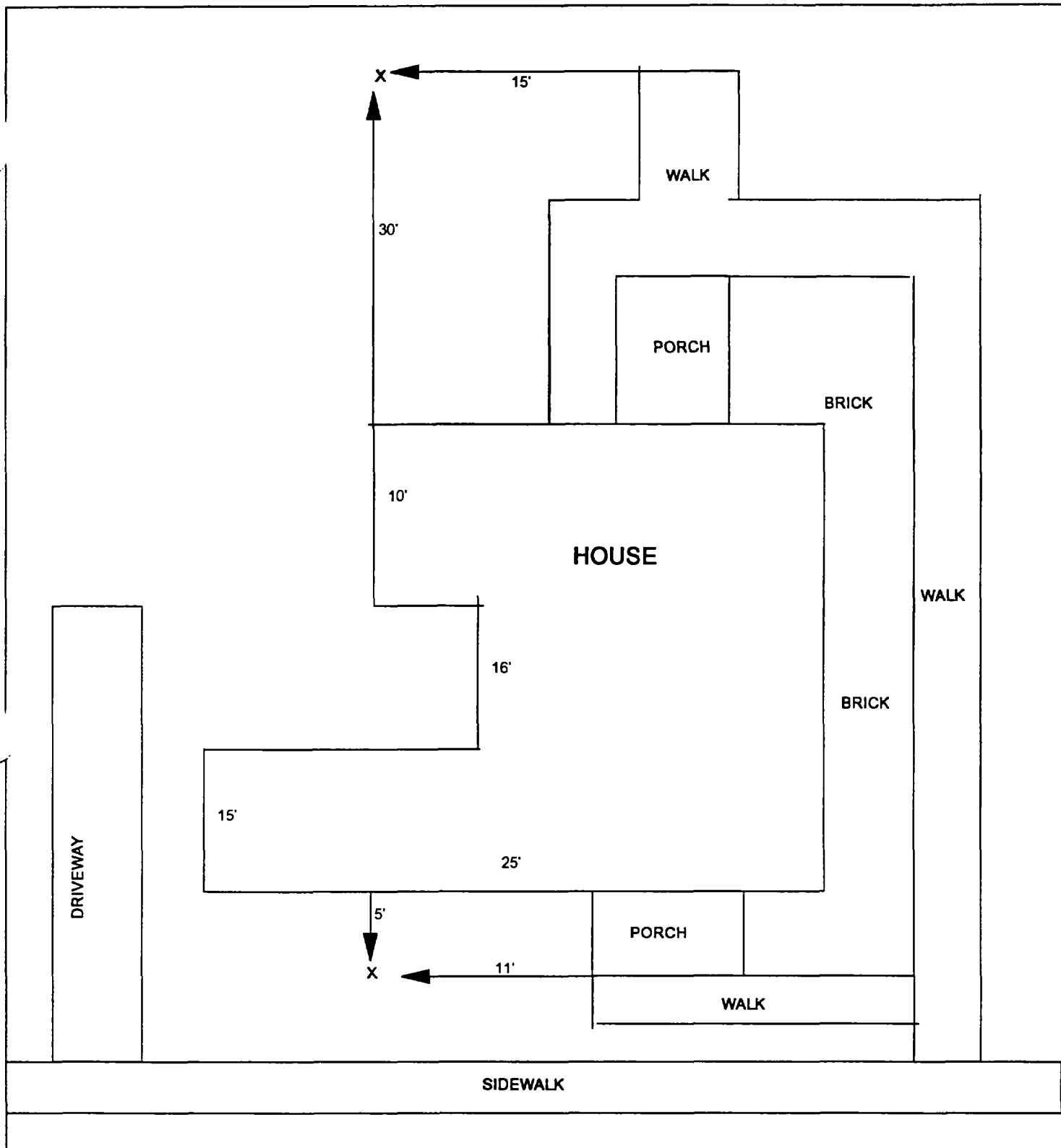
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

122 261

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DIMENSIONS
129'X51'

OHM Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/29/97	Approved By:
Scale: NTS	Drawing No:

[REDACTED]

Action Date: 12-10-96

Loadout: 12-13-96

Restoration Begins: 12-14-96

Restoration Completed: 12-16-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 44.71 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Brockmiere

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
44.71		117.44	420	25.56	13.26			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 721 593

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

365 475

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

148 261

Depth
Excav.
(inch)

3

(

)

)

Action Date: 12-05-96

Loadout: 12-07-96

Restoration Begins: 12-07-96

Restoration Completed: 12-10-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 57.59 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
57.59	5	66.35	320	28.58				

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



420 435

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

397 489

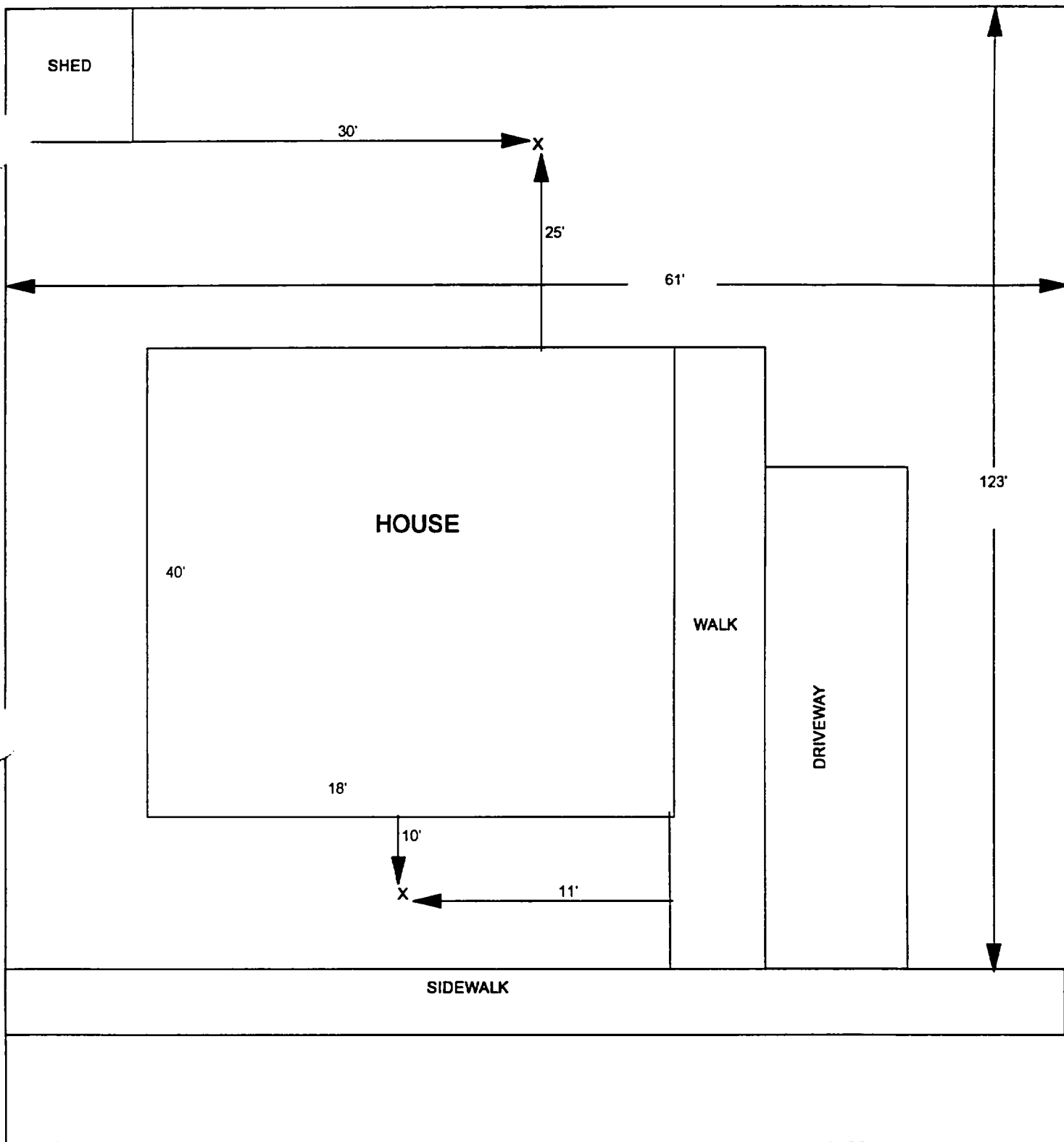
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

370 798

Depth
Excav.
(inch)

12



X = SAMPLE POINT

**TOTAL
DIMENSIONS
123'X61'**

OHM 
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date: 5/29/97

Approved By:

Scale: NTS

Drawing No:

1

2

3

[REDACTED]

Action Date: 12-02-96
Loadout: 12-03-96
Restoration Begins: 12-03-96
Restoration Completed: 12-04-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 23.08 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
23.08		55.22	240		28.34			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 506 231

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

326 320

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

183 92

Depth
Excav.
(Inch)

3

Action Date: 11-21-96

Loadout: 11-22-96

Restoration Begins: 11-23-96

Restoration Completed: 11-23-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 36.06 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
36.06		23.83	180	29.33	11.59			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 910 1200

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

260 190

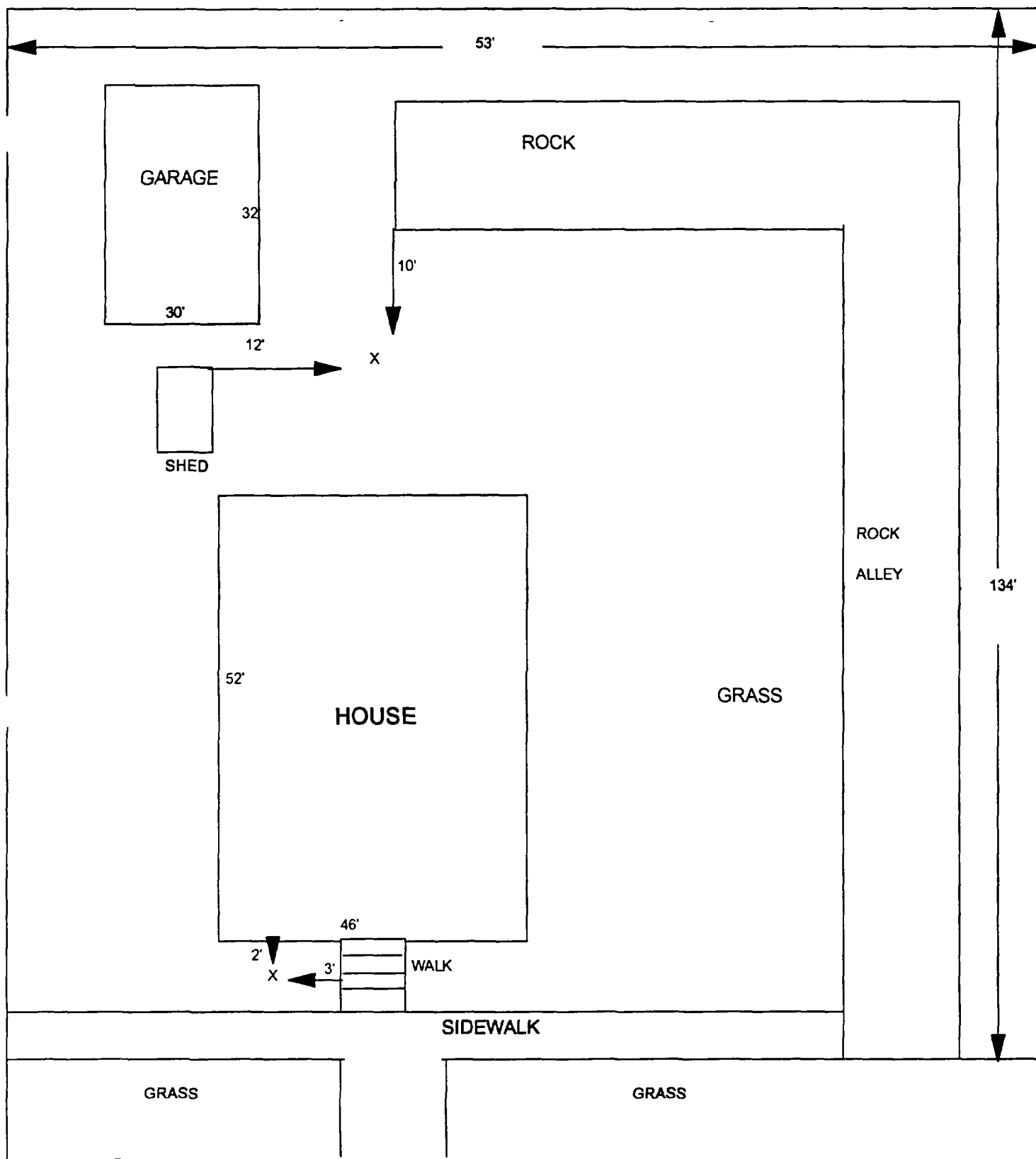
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

410 360

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DIMENSIONS

134'X53'

OHM Corporation
Findlay, Ohio

Drawn By: JG


Date: 10/8/96

Scale: NTS

Checked By:

Approved By:

Drawing No:



Action Date: 02-24-97

Loadout: 02-25-97

Restoration Begins: 02-25-97

Restoration Completed: 02-25-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 18.73 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
18.73					43.4			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

596

470

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

428

463

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

338

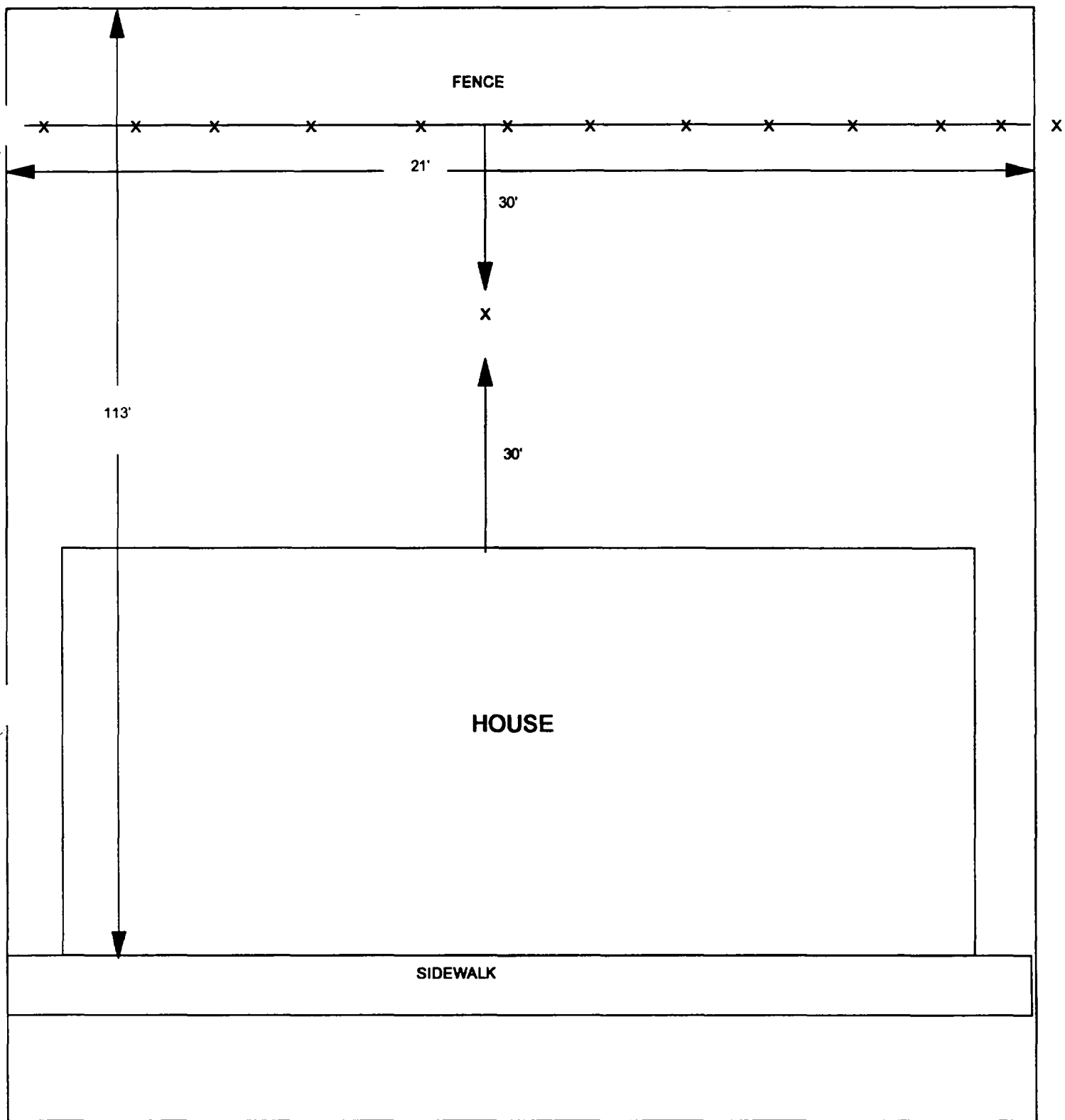
413

Depth

Excav.

(inch)

3



X = SAMPLE POINT



TOTAL
DEMINSIONS

113'X21'

OHM
Corporation
Findlay, Ohio

Drawn By: JG


Checked By:

Date:
5/30/97

Approved By:

Scale: NTS

Drawing No:



Action Date: 02-15-97
Loadout: 02-18-97
Restoration Begins: 02-19-97
Restoration Completed: 02-19-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 45.15 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
- landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
45.15		49.22	120	13.64	28.83			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 482 513

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

392 512

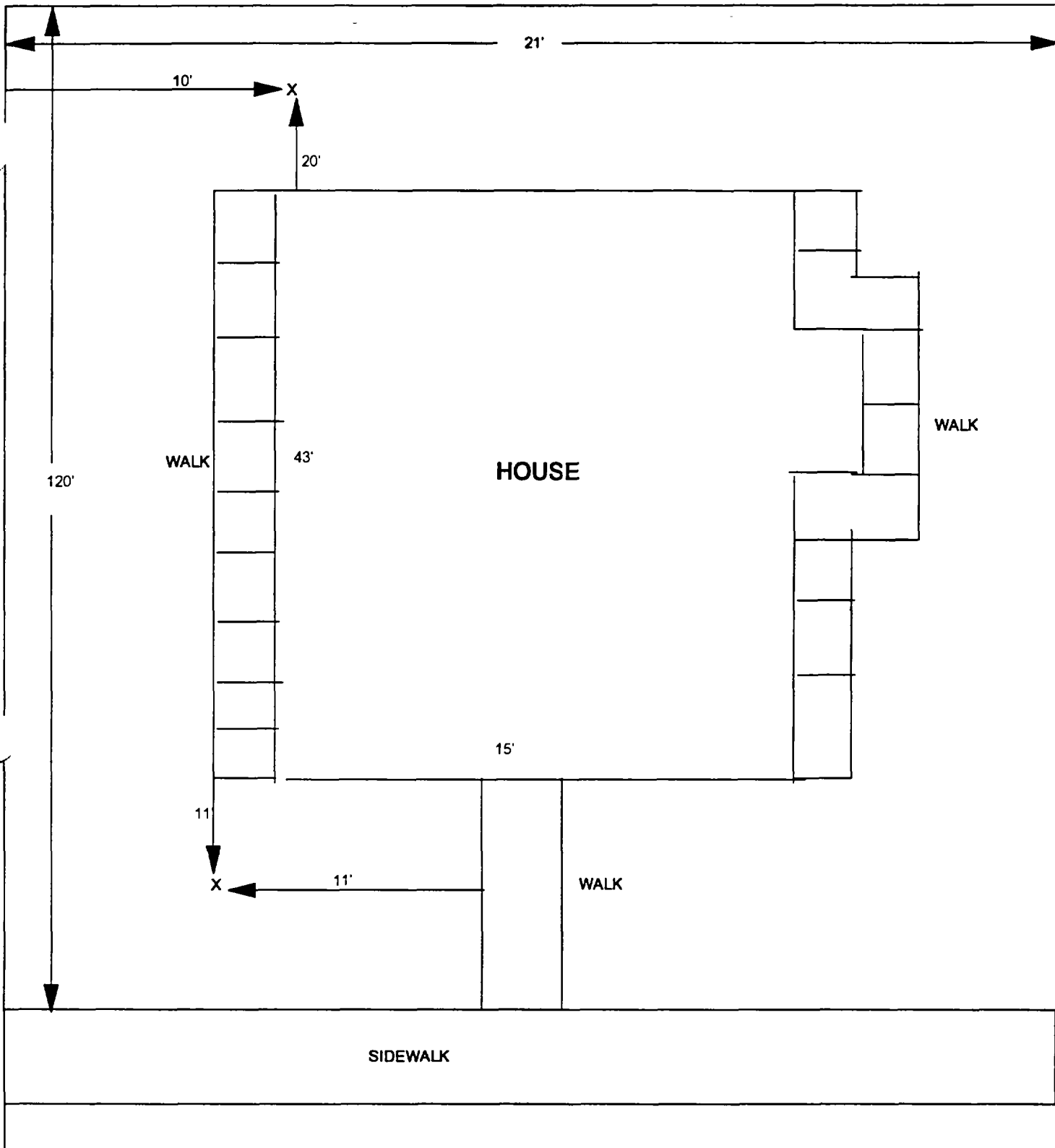
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

227 380

Depth
Excav.
(inch)

6



TOTAL DIMENSIONS 120'X21'	OHM Corporation Findlay, Ohio	
	Drawn By: JG	Checked By:
	Date: 5/30/97	Approved By:
	Scale: NTS	Drawing No:

Action Date: 03-03-97

Loadout: 03-03-97

Restoration Begins: 03-04-97

Restoration Completed: 03-06-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 16.14 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
16.14			STONE	42.06	29.12			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

[REDACTED] S

1200 1200

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1500 1300

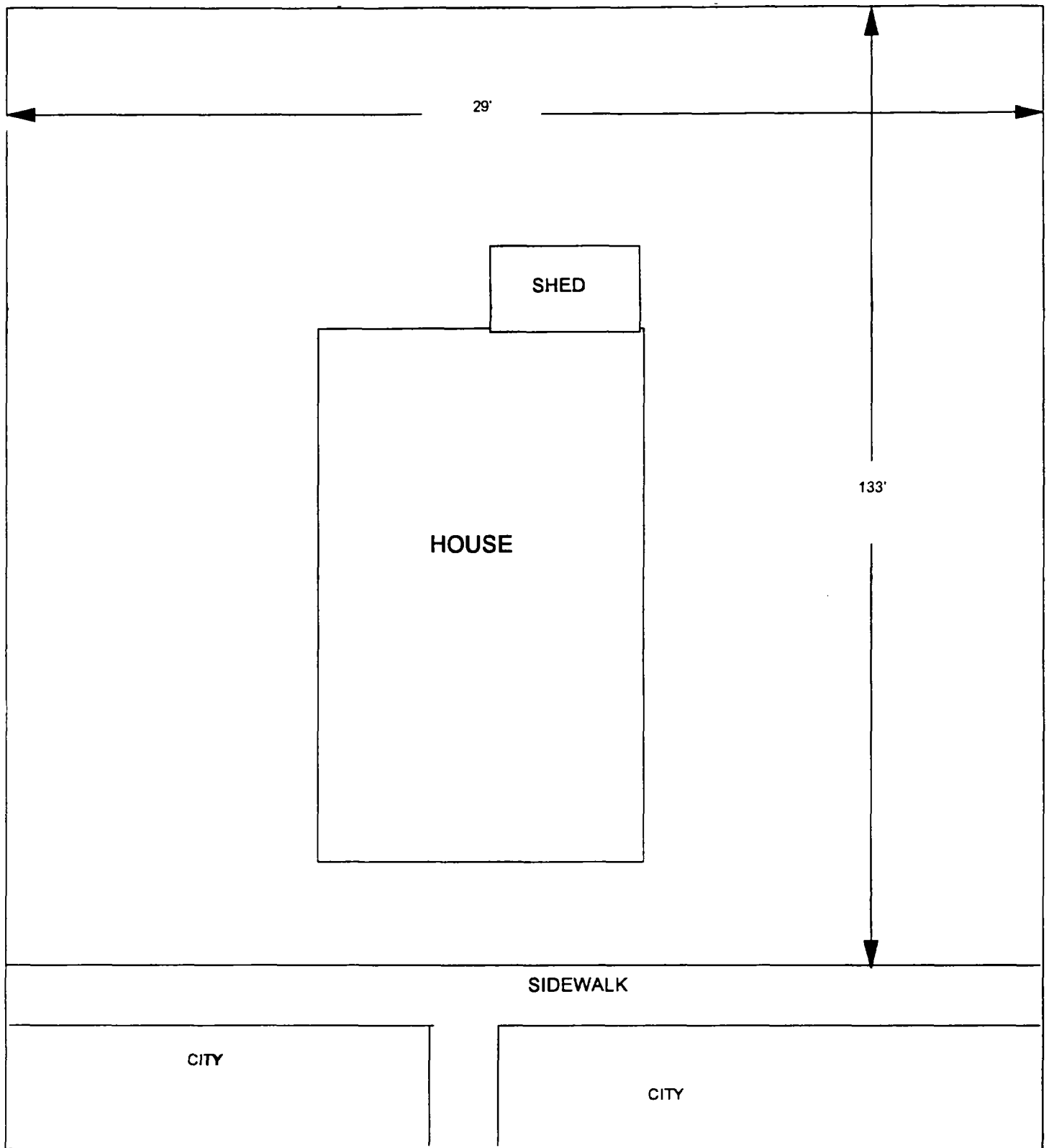
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

2300 520

Depth
Excav.
(inch)

12



TOTAL
DIMENSIONS

133'X29'

OHM 
Corporation
Findlay, Ohio

Drawn By: AS

Date: 10/22/95

Scale: NTS

Checked By:

Approved By:

Drawing No:

[REDACTED]

Action Date: 11-12-96
Loadout: 11-21-96
Restoration Begins: 11-21-96
Restoration Completed: 11-27-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 155.23 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Prochnow Landscaping
 - sod

OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
155.23		12.05	60	275.24	138.42			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

971

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

804

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

436

Depth
Excav.
(inch)

6

[REDACTED]

Action Date: 11-12-96

Loadout: 11-18-96

Restoration Begins: 11-22-96

Restoration Completed: 11-23-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 112.65 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM 806

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
112.65		11.49	60	84.75	24.58			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

616

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

481

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

519

Depth
Excav.
(inch)

12

.)

.)

.)

Action Date: 11-12-96

Loadout: 11-15-96

Restoration Begins: 11-15-96

Restoration Completed: 11-27-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 151.37 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM 806

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
151.37		30.67	60	201.19	86.09			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

480 821
 2000 510

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

342 902
 450 610

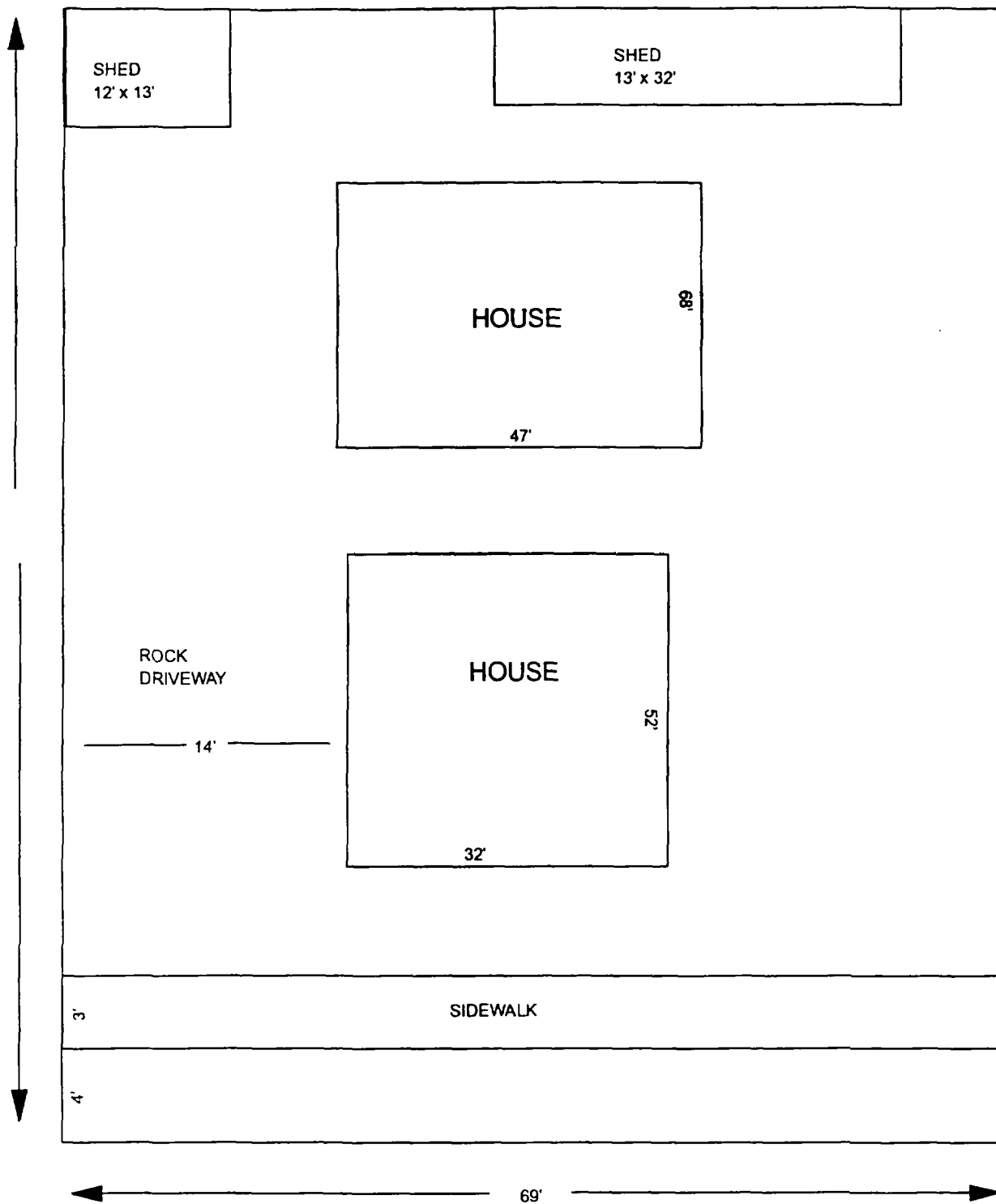
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

305 574
 150 520

Depth
Excav.
(inch)

12




		OHM Corporation Findlay, Ohio	
		Drawn By: MTB	Checked By:
		Date: 5/2/96	Approved By:
		Scale: NTS	Drawing No:

1

2

3



Action Date: 02-03-97

Loadout: 02-08-97

Restoration Begins: 02-08-97

Restoration Completed: 02-15-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 107.97 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
107.97	8	113.05	360					

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



340 140

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

150 440

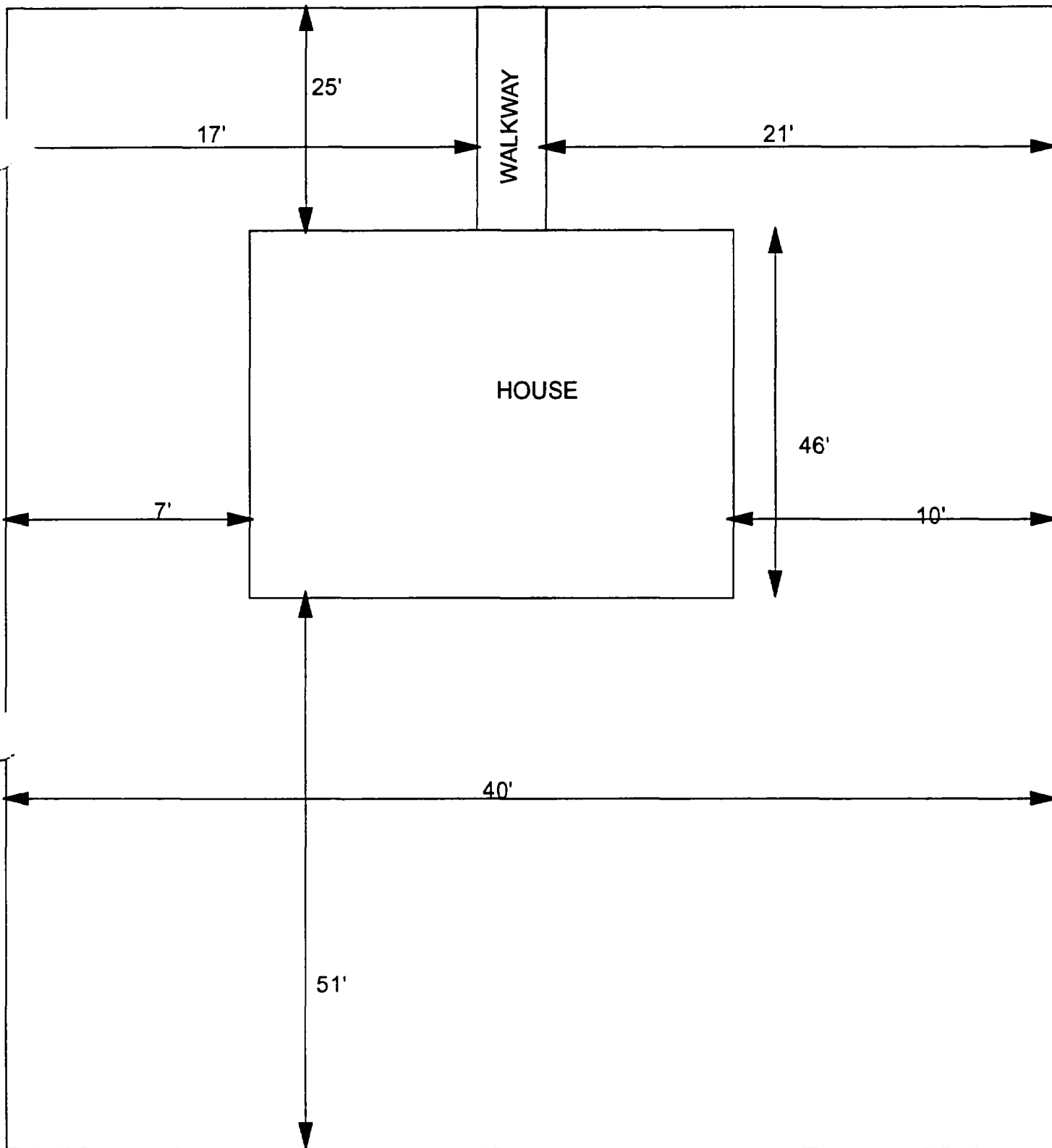
6 - 12" Front and Back


C	C	C
PPM	PPM	PPM
No.	No.	No.

430 2000
352 436

Depth
Excav.
(inch)

12



	OHM Corporation Findlay, Ohio	
	Drawn By: DDL	Checked By:
	Date: 8/12/96	Approved By:
	Scale: NTS	Drawing No

Action Date: 02-08-97
Loadout: 02-13-97
Restoration Begins: 02-14-97
Restoration Completed: 02-15-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 31.29 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

- *TL-26
- *17-KW
- *X331

*Subcontractors:

- *WMI
 - landfill
- *Turf Mountain
 - sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
31.29		7.93	120		45.48			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 678 474

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

361 1100

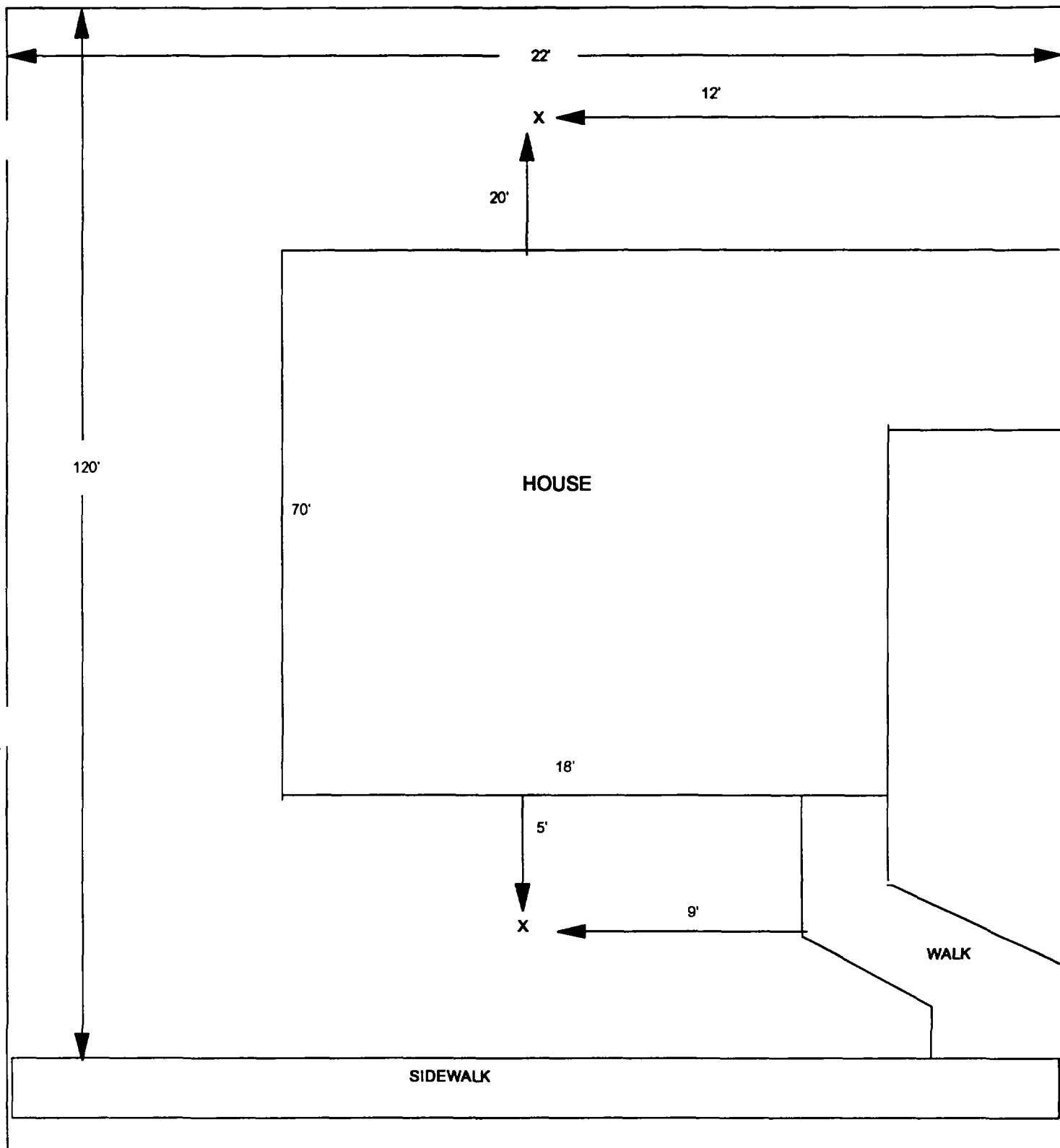
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

229 346

Depth
Excav.
(inch)

6



X = SAMPLE POINT



TOTAL
DEMINSIONS

120'X22'

OHM Corporation
Findley, Ohio

Drawn By: JG	Checked By:
Date: 5/30/97	Approved By:
Scale: NTS	Drawing No:

Action Date: 02-08-97

Loadout: 02-13-97

Restoration Begins: 02-14-97

Restoration Completed: 02-15-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 39.09 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*Kubota

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Turf Mountain

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
39.09		21.26	60	28.78	14.91			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

756

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

575

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

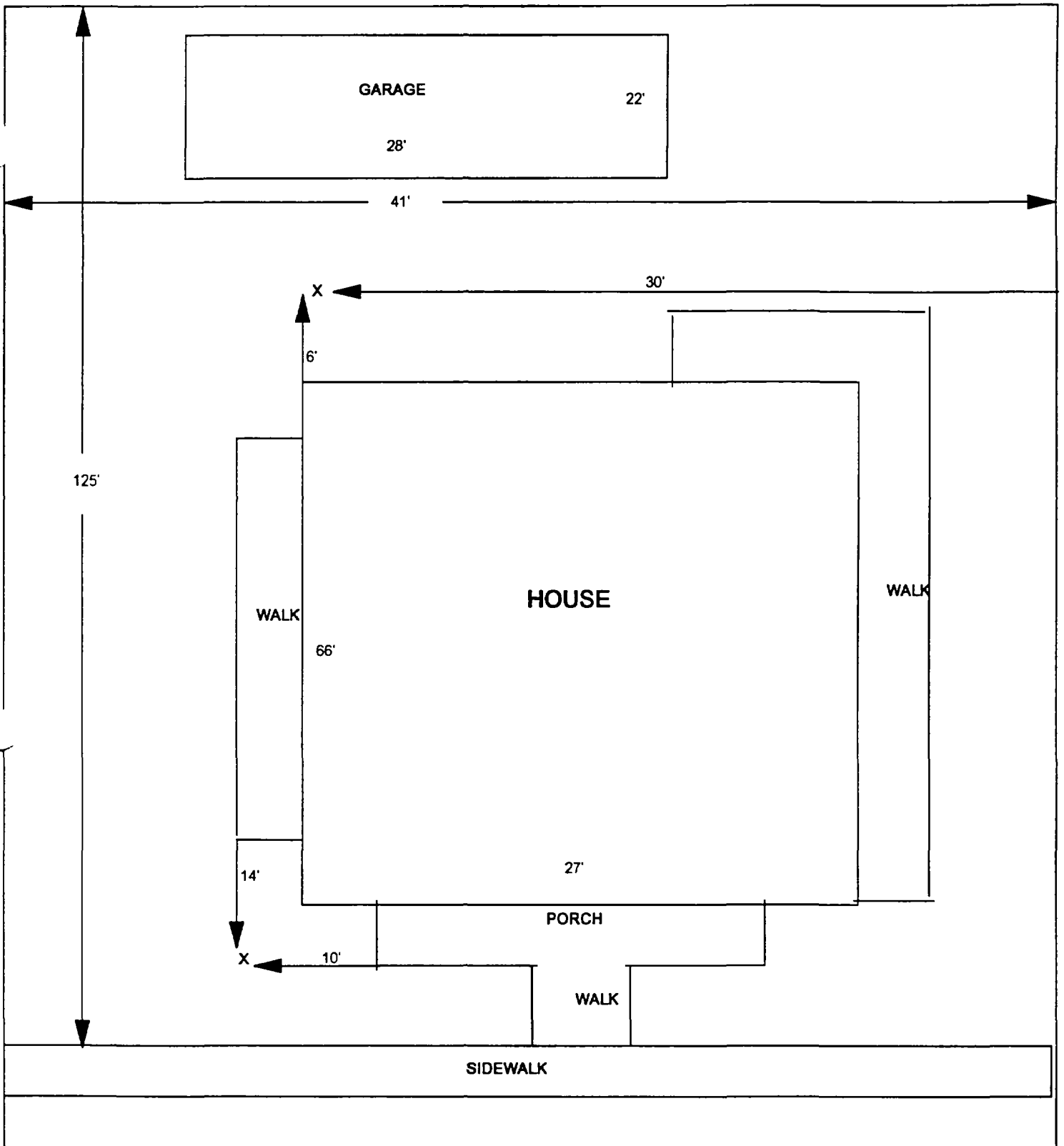
332

Depth

Excav.

(Inch)

6



X = SAMPLE POINT



TOTAL
DIMENSIONS

125'X41'

OHM
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/29/97	Approved By:
Scale: NTS	Drawing No:

1

2

3

[REDACTED]

Action Date: 01-24-97
Loadout: 01-31-97
Restoration Begins: 02-01-97
Restoration Completed: 02-03-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 128.13 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26	*TCM 806
*17-KW	
*X331	

*Subcontractors:

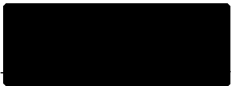
*WMI
-landfill

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

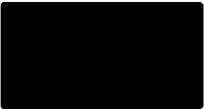


SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
128.13	5	122.15	587	84.79	16.18			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



1690

75

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

403

36

6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

173

10

Depth
Excav.
(inch)

3

Action Date: 11-13-96

Loadout: 11-16-96

Restoration Begins: 11-16-96

Restoration Completed: 11-21-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 107.43 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
107.43	8	63.36	300	27.76	69.49			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



398 746

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

234 771

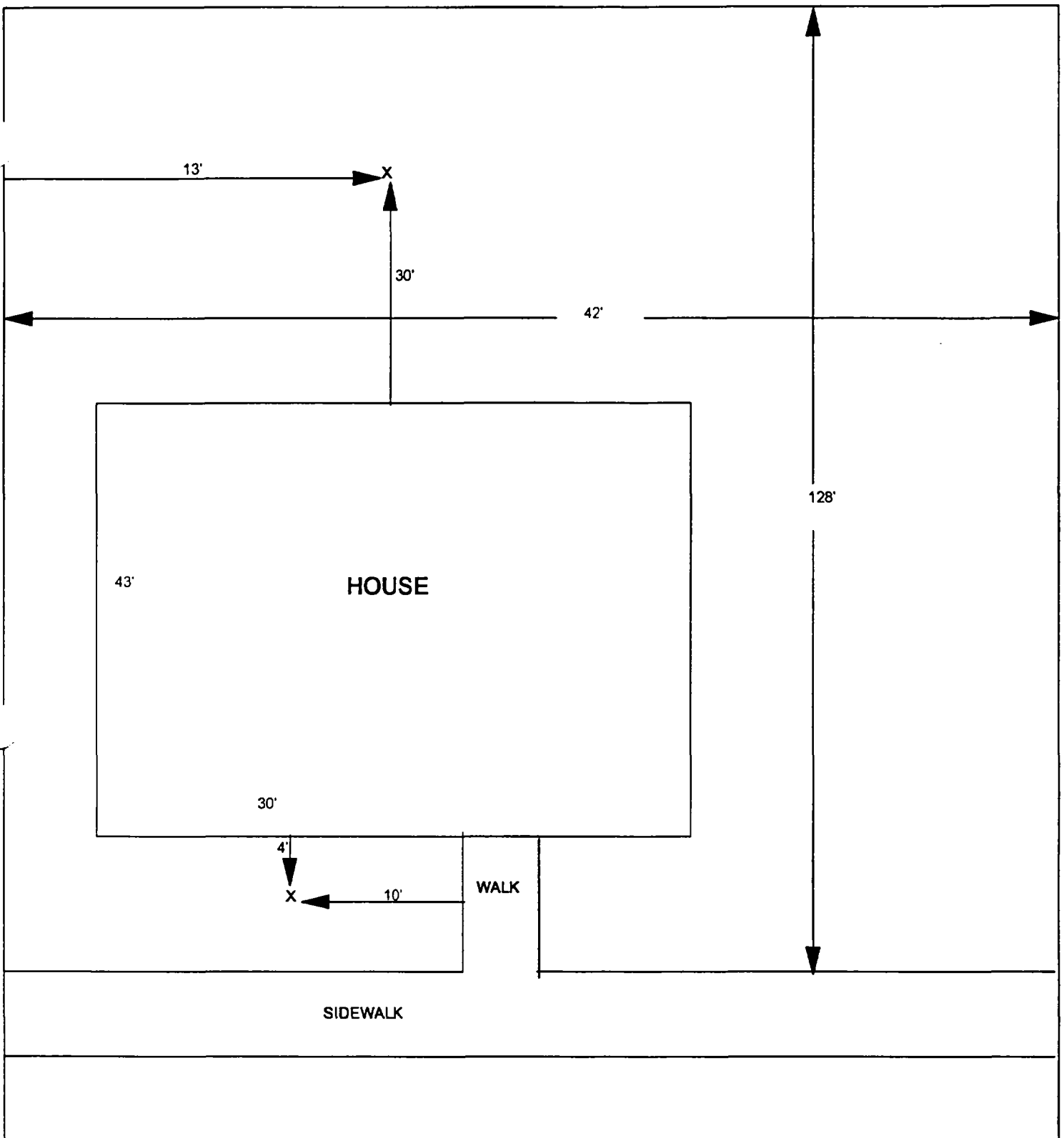
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

98

Depth
Excav.
(inch)

6



TOTAL
DIMENSIONS

128'X42'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG

Date: 5/29/97

Scale: NTS

Checked By:

Approved By:

Drawing No:

Action Date: 03-03-97

Loadout: 03-04-97

Restoration Begins: 03-05-97

Restoration Completed: 03-05-97

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 61.12 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR

SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
61.12	5	47.91	300	14.55	58.68			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



979

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

731


6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

307

Depth
Excav.
(inch)

6



Action Date: 12-02-96
Loadout: 12-05-96
Restoration Begins: 12-05-96
Restoration Completed: 12-07-96

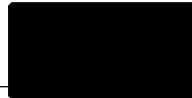
- *Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.
- *An excavation depth of 12 inches was established by USACE prior to work commencing.
- *The excavation of special waste yielded a total of 145.48 cubic yards, which was shipped to WMI-Milam for disposal.
- *Equipment utilized during excavation:
 - *TL-26
 - *17-KW
 - *X331
- *Subcontractors:
 - *WMI
 - landfill
 - *Prochnow Landscaping
 - sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
145.48	6	99.83	360	54.04	42.5			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1360 485
 1620 612

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

1030 587
 591 1030

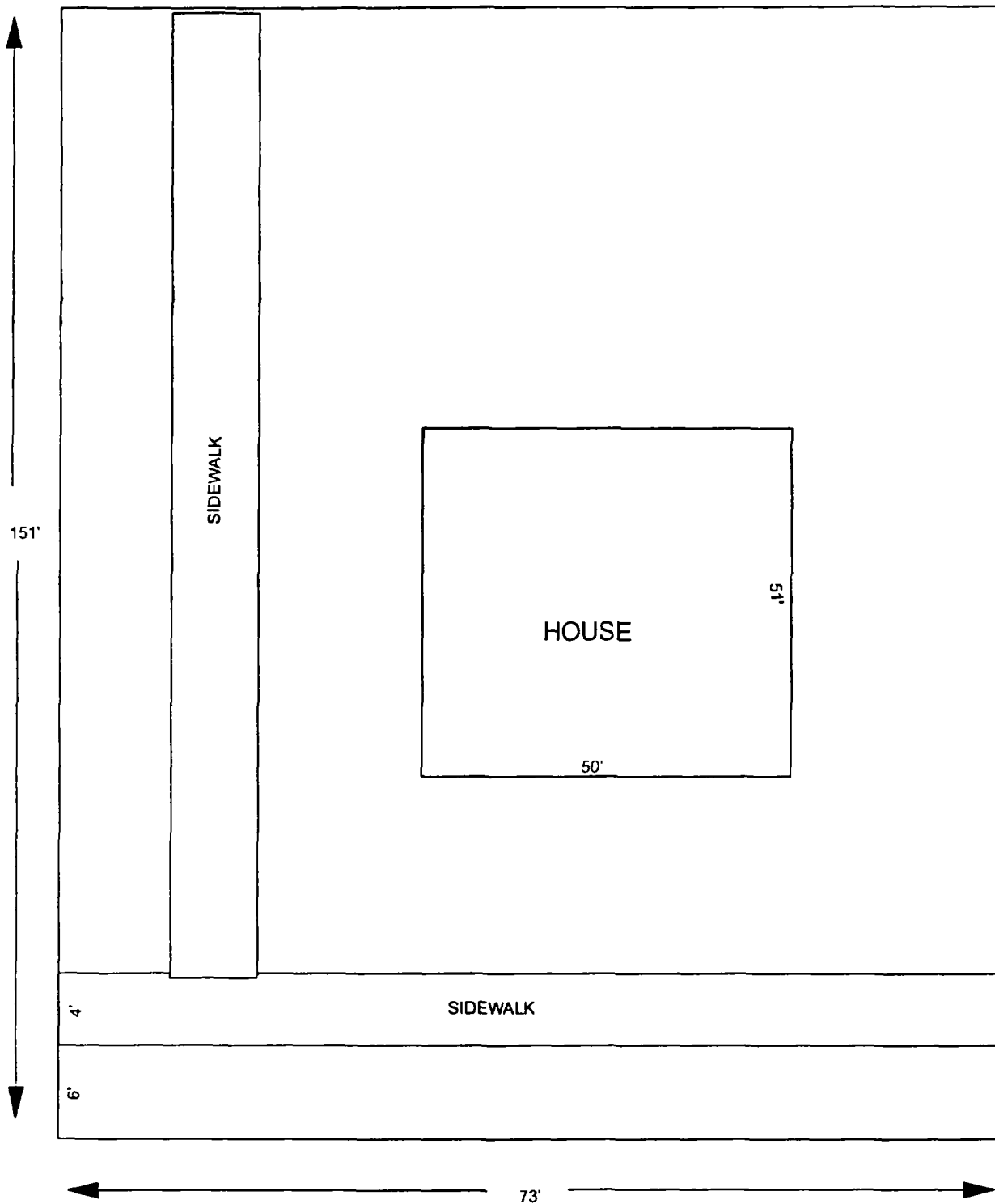
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

1150 240
 874 734

Depth
Excav.
(inch)

12



		OHM Corporation Findlay, Ohio	
		Drawn By: MTB	Checked By:
		Date: 5/2/96	Approved By:
		Scale: NTS	Drawing No:

Action Date: 11-18-96

Loadout: 11-19-96

Restoration Begins: 11-21-96

Restoration Completed: 12-02-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 58.05 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow Landscaping

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
58.05		69.16	360	27.2				

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 970 600

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

810 630

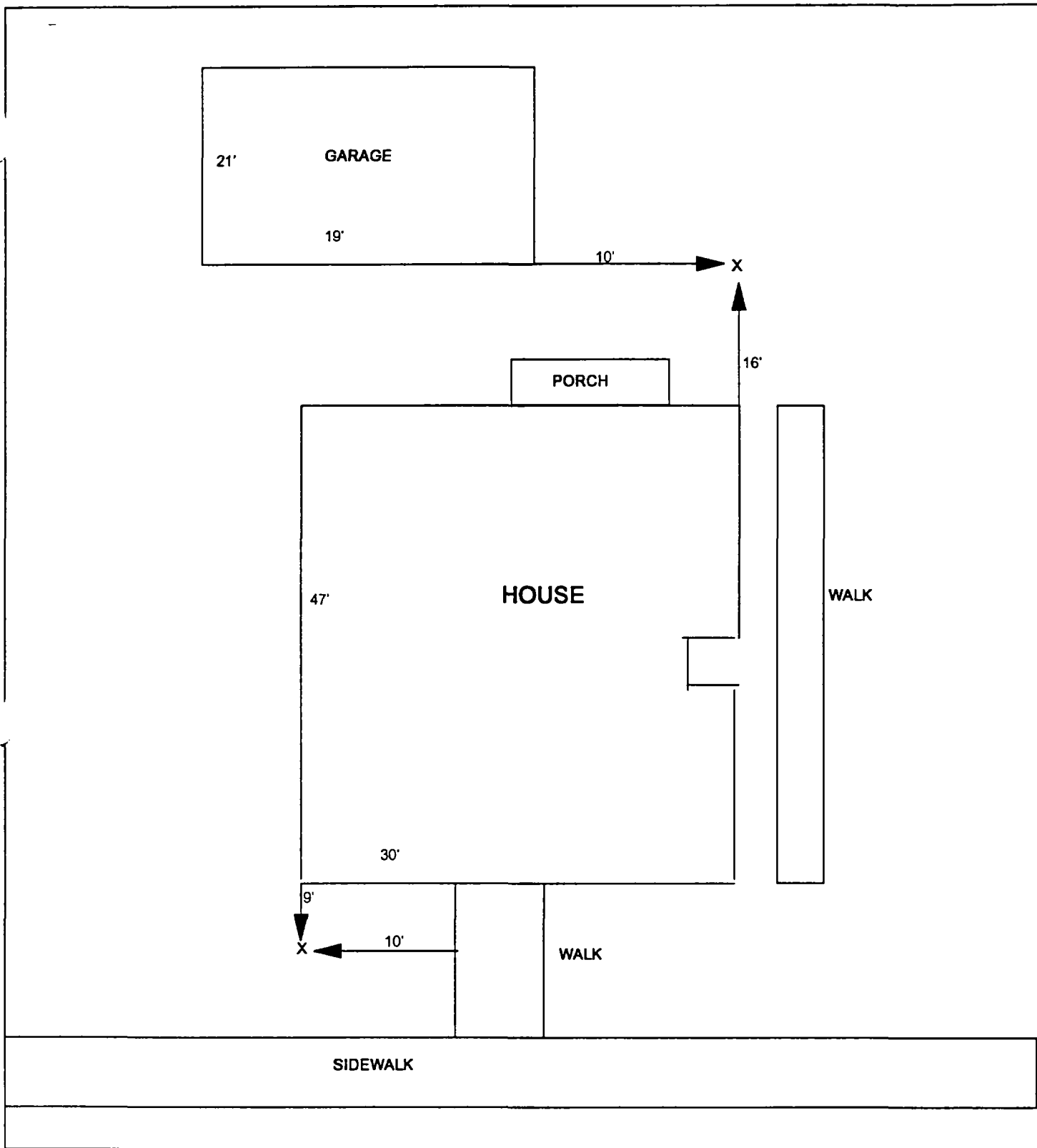
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

390 300

Depth
Excav.
(inch)

6



X = SAMPLE POINT



TOTAL
DEMINSIONS

110'X44'

OHM Corporation
Findlay, Ohio

Drawn By: JG

Date: 5/29/97

Scale: NTS

Checked By:

Approved By:

Drawing No:

1

2

3

Action Date: 11-11-96

Loadout: 11-15-96

Restoration Begins: 11-15-96

Restoration Completed: 11-23-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 6 inches was established by USACE prior to work commencing.

*The excavation of special waste yield a total of 164.39 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM 806

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Prochnow

-sod

*C. Grantham

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
164.39	10	343.17	900		13.32			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

1330 729

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

730 640

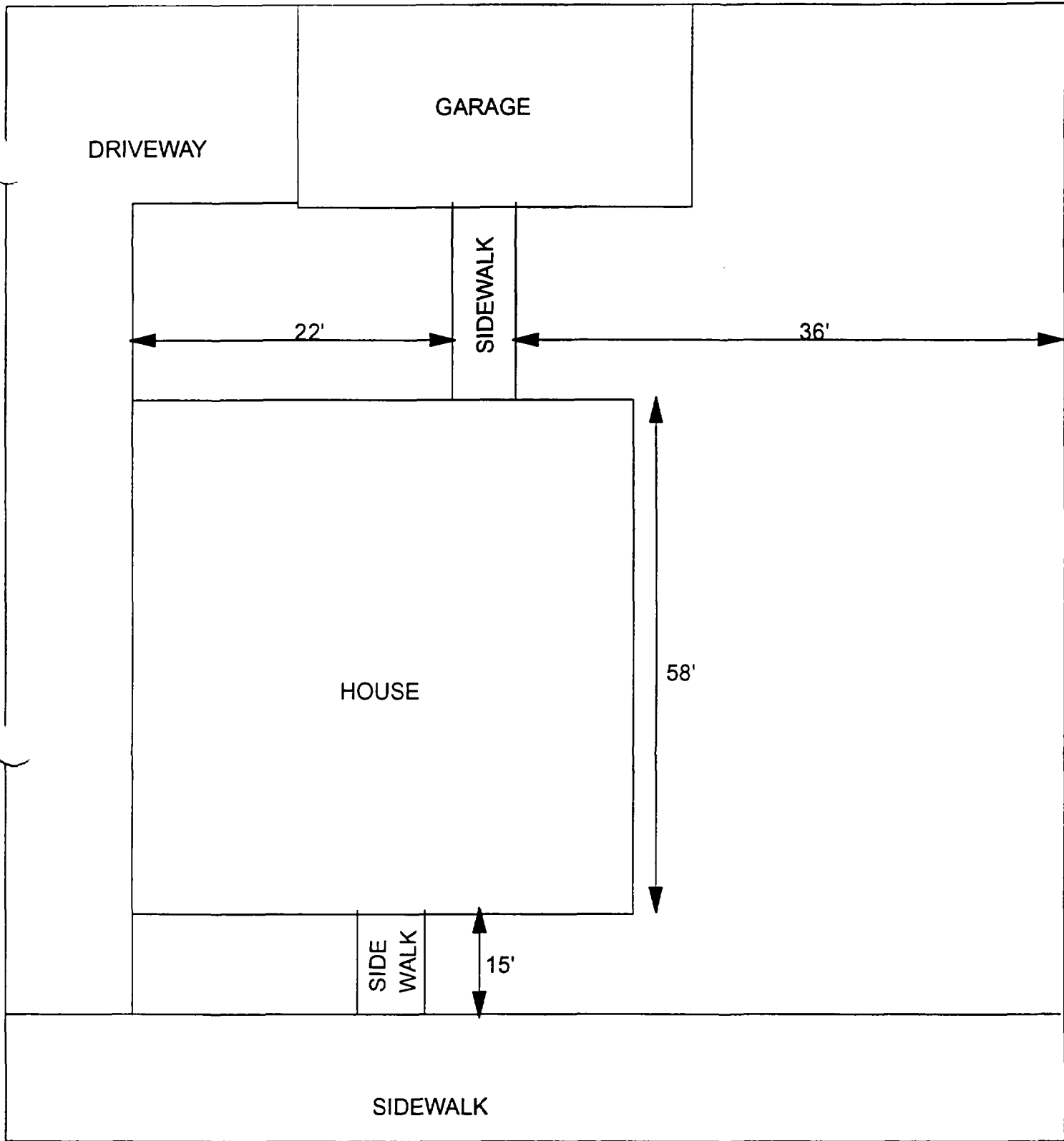
6 - 12" Front and Back


C	C	C
PPM	PPM	PPM
No.	No.	No.


244 445

Depth
Excav.
(inch)

6



	OHM Corporation Findlay, Ohio	
	Drawn By: DDL	Checked By:
	Date: 8/12/96	Approved By:
	Scale: NTS	Drawing No



Action Date: 12-02-96

Loadout: 12-03-96

Restoration Begins: 12-03-96

Restoration Completed: 12-03-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 3 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 21.35 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
21.35				14.41	39.74			

Sampling Analysis
Project #19321

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.

 590

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

302

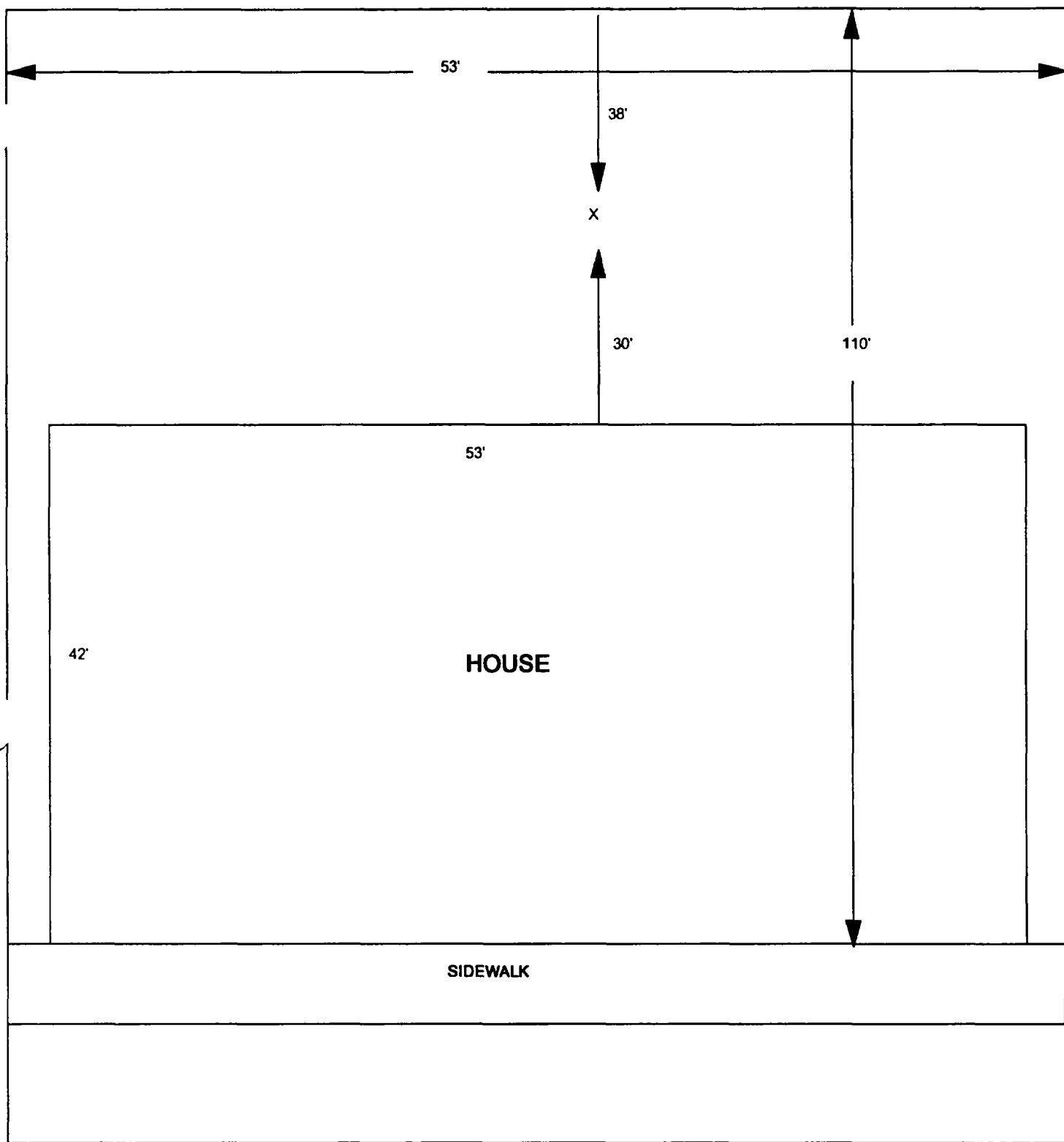
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

243

Depth
Excav.
(inch)

3



X = SAMPLE POINT



TOTAL
DEMINSIONS

110'X53'

OHM 
Corporation
Findlay, Ohio

Drawn By: JG	Checked By:
Date: 5/30/97	Approved By:
Scale: NTS	Drawing No:

Action Date: 11-21-96

Loadout: 12-06-96

Restoration Begins: 12-06-96

Restoration Completed: 12-10-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 183.86 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM 806

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Brockmierer Sod Farm

-sod

EASEMENT INFORMATION

This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
183.86	12	149.66	720	13.24	94.67			

Action Date: 11-21-96

Loadout: 12-03-96

Restoration Begins: 12-03-96

Restoration Completed: 12-04-96

*Stack emission sites were not sampled for verification due to the fact that a pre-determined depth for excavation was given to OHM by USACE.

*An excavation depth of 12 inches was established by USACE prior to work commencing.

*The excavation of special waste yielded a total of 201.55 cubic yards, which was shipped to WMI-Milam for disposal.

*Equipment utilized during excavation:

*TL-26

*TCM 806

*17-KW

*X331

*Subcontractors:

*WMI

-landfill

*Brockmierer Sod Farm

-sod

EASEMENT INFORMATION

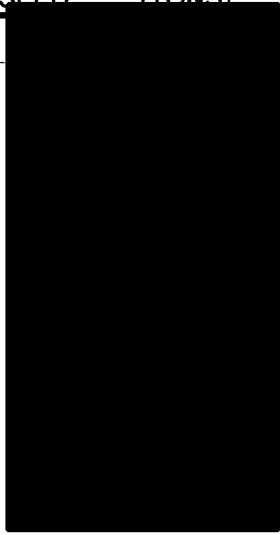
This easement was completed after the Temporary Restraining Order (TRO) was lifted.

**OHM CORPORATION
PROJECT 19321
GRANITE CITY, IL**

QUANTITY SUMMARY FOR



SPECIAL WASTE	BACKFILL (LOADS)	TOPSOIL (TONS)	SOD OR SEED	CA-6 (TONS)	CA-7 (TONS)	SAND (TONS)	CONCRETE	OTHER
201.55	15	177.53				26.4		



**Sampling Analysis
Project #19321**

0 - 3" Front and Back

	A	A	A
Street/Number	PPM	PPM	PPM
Address	No.	No.	No.



1030 418
1440 225

3 - 6" Front and Back

B	B	B
PPM	PPM	PPM
No.	No.	No.

2090 339
478 330
350 220

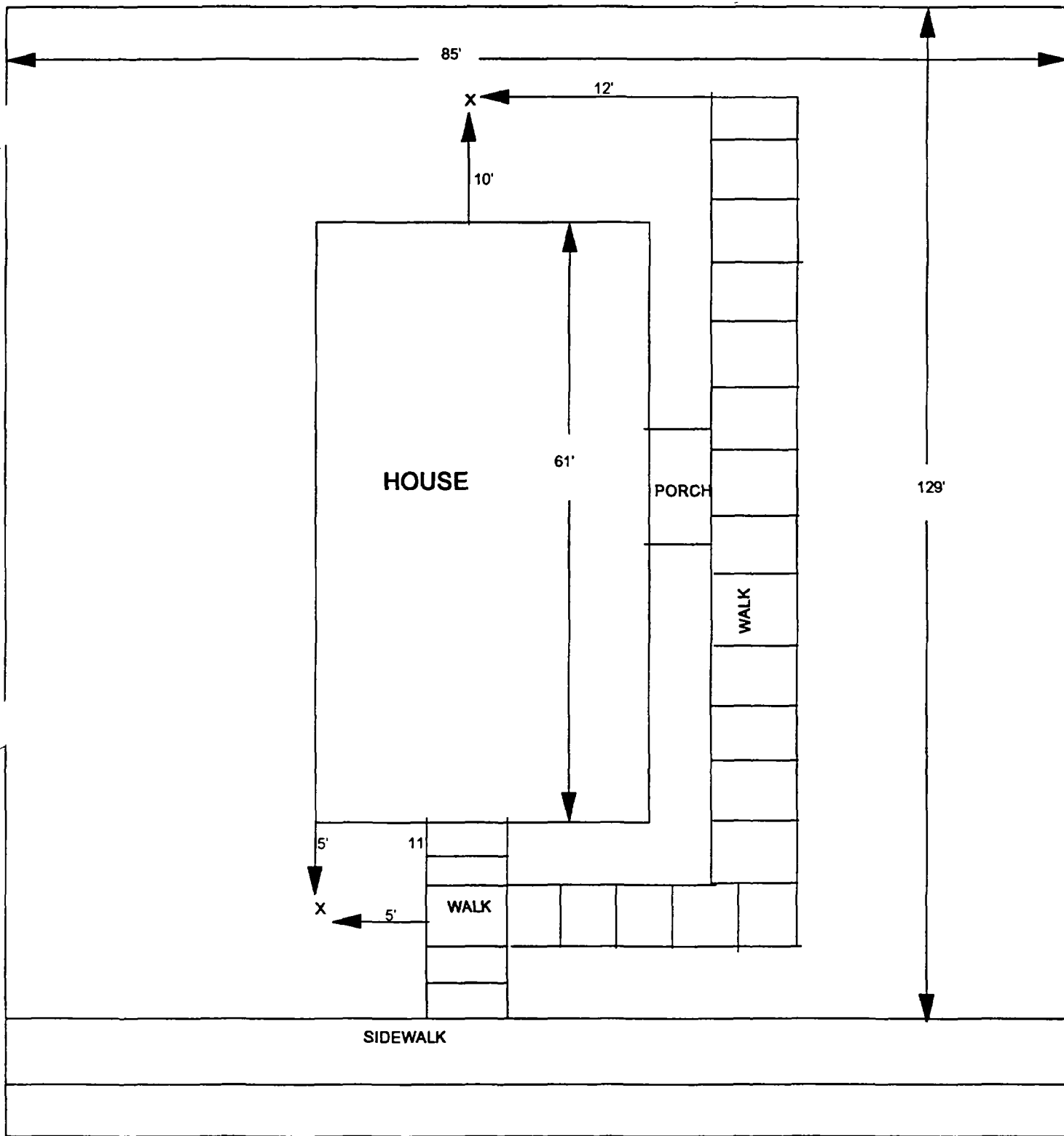
6 - 12" Front and Back

C	C	C
PPM	PPM	PPM
No.	No.	No.

661 107
98 30
180 780

Depth
Excav.
(inch)

12



X = SAMPLE POINT



TOTAL
DEMINSIONS

129'X61'

OHM
Corporation
Findlay, Ohio

Drawn By: JG

Checked By:

Date:
5/29/97

Approved By:

Scale: NTS

Drawing No: